PCCharge

Electronic Payment Processing Software
Appendices

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Rev Date: 2/25/10

Introduction

Congratulations on the purchase of **PC**Charge -- the most advanced solution in the industry for processing credit cards on your PC. This software provides you with a fast, reliable way to authorize credit cards, ATM/debit cards, and check transactions in an easy to use Windows environment.

This documentation provides you with detailed processor-specific information, including:

- Documentation of the **PC**Charge Extended Data Fields
- Processor-specific transaction processing information
- Processor contact information
- Processor-specific notes

Please direct any comments or suggestions regarding your **PC**Charge documentation to pccharge_manuals@verifone.com. Please note that this address should not be considered as a source for technical support. Any support requests should be directed to the normal support channels.

About Communication Types

The following information describes the different ways that **PC**Charge can connect to your payment processing company. You can safely skip ahead to information specific to your payment processing company and refer back to this section as needed.

Dial-up Modem Processing

What is dial-up modem processing?

Most processing companies offer the ability to process transactions through a dial-up modem connection. Using your modem, **PC**Charge dials out to your payment processing company and transmits/receives transaction information.

After the transaction information has been transferred, **PC**Charge will usually hang up modem. However, some payment processing companies will allow connections to remain "open" for a certain amount of time before hanging up. This speeds up transaction processing since **PC**Charge won't need to dial out to the payment processing company for every transaction. Refer to the option **Multi-Trans Wait** in the section **Advanced Configuration Setup** in your **PC**Charge User's Manual.

Is this safe?

Yes, this method of processing transactions is safe. **PC**Charge connects directly to your payment processing through a standard dial-up connection.

Internet Processing

What is Internet processing?

Some payment processing companies offer the ability to process transactions through an Internet gateway. **PC**Charge takes advantage of this feature. The following requirements must be fulfilled before you can connect to a processing company via the Internet:

- You must be able to connect to the Internet.
- Fill out the fields in the processing company's **Advanced Options** window with any additional information required by the processing company.
- Contact your processing company and/or merchant service provider to find out what else (if anything) is required to connect to them via the Internet. Some processors require that you sign up for their Internet service or that your account be "Internet activated". Others may charge a premium.

Internet transactions are performed exactly like regular dial-up transactions. You enter the transaction information exactly as you would normally. The only difference is how the information is sent to the processing company.

Is this safe?

Yes, this method of processing transactions is very safe. **PC**Charge uses encryption software to encrypt each transaction before it is sent to the processing company. Once the processing company receives the transmission, they decode the message and process the transaction.

Do I need a modem?

No; however, it is recommended. A modem can be used as a backup communications method should your Internet connection fail (and if **Dial Backup** connections are supported by your payment processing company).

Lease Line Processing

What is lease line processing?

Some payment processing companies offer the ability to process transactions via a lease line connection. This service has to be specially arranged. Contact your processing company to find out more about using this feature.

Lease line transactions are performed exactly like regular dial-up transactions. You enter the transaction information exactly as you would normally. The only difference is how the information is sent to the processing company.

Is this safe?

Yes, this method of processing transactions is very safe. **PC**Charge makes a lease line connection directly to your payment processing company. Therefore, you have a private, secure connection.

Do I need a modem?

No; however, it is recommended. A modem can be used as a backup communications method should your lease line connection fail (and if **Dial Backup** connections are supported by your payment processing company).

Can I engage in other Internet activities (browsing, downloading, etc.) while authorizing or settling a large group of transactions?

Yes; however, we highly recommend that you do not. Any other Internet activities will affect the rate at which your transactions will be authorized or settled. Additionally, we recommend that you close all other running applications (Internet-related or not Internet-related) while authorizing or settling a large group of transactions.

ISDN Processing

What is ISDN processing?

Some payment processing companies offer the ability to process transactions through an ISDN. **PC**Charge takes advantage of this feature. The following requirements must be fulfilled before you can connect to a processing company via ISDN:

- You'll need to have a special ISDN modem. Contact your processing company and/or merchant service provider to find out which ISDN modem you should purchase.
- Fill out the fields in the processing company's **Advanced Options** window with any additional information required by the processing company.
- Contact your processing company and/or merchant service provider to find out what else (if anything) is required to connect to them via an ISDN. Some processors require that you sign up for their ISDN service or that your account be "ISDN activated". Others may charge a premium.

Is this safe?

Yes, this method of processing transactions is very safe. **PC**Charge makes an ISDN connection directly to your payment processing company. Therefore, you have a private, secure connection.

Do I need a modem?

No; however, it is recommended. A modem can be used as a backup communications method should your ISDN connection fail (and if **Dial Backup** connections are supported by your payment processing company).

Appendix A -- Credit Card Processing Companies

Your credit card processing company/vendor/merchant service provider should have provided you with all of the information on each company's extended data fields window. Check the merchant account information (fax, printout, etc.) you received upon setting up your credit card processing company merchant account.

Alliance Data Systems, Inc. (ADSI)

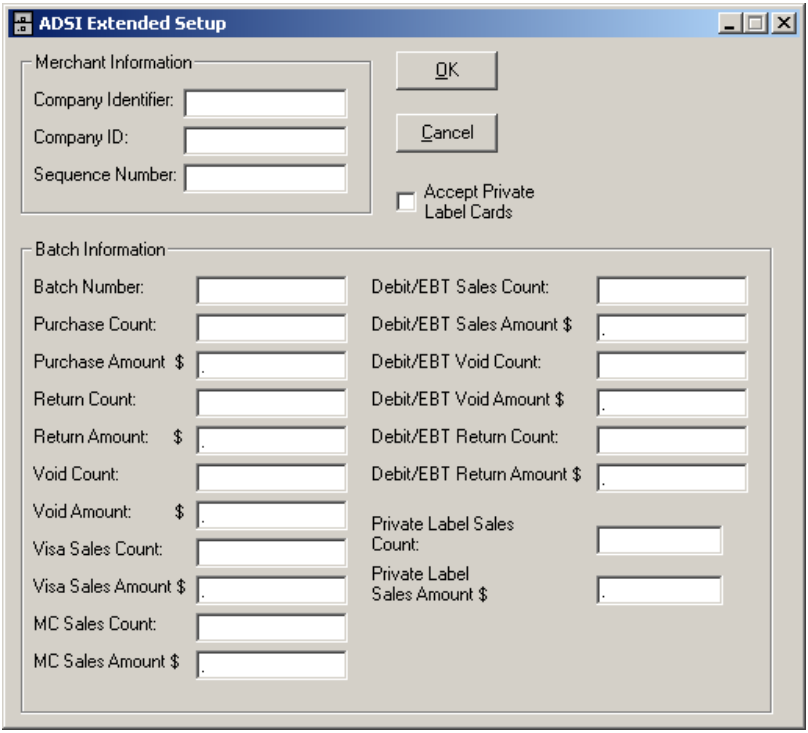
ADSI Notes

- ADSI accounts are host based.
- ADSI will provide you with a 1-15-character Terminal ID. Use this as your **Credit Card Company Number** when setting up your account in **PC**Charge. Consult the section **Credit Card Company Setup** in your **PC**Charge User's Manual for more information.
- **PC**Charge can connect to ADSI via a dial-up modem connection.
  - Consult the section **Dial-up Modem Processing** in **About Communication Types** for more information on dial-up modem processing (see page 13).

ADSI Contact Information

- **WWW** -- http://www.alliancedatasystems.com
- **Customer Service** -- (972) 348-5100

ADSI Extended Data Fields



Merchant Information

Company Identifier -- (Default Value = Empty) (4 alpha/numeric characters) -- Enter your Company Identifier. The Company Identifier is a unique number assigned to each merchant by ADSI.

Company ID -- (Default Value = Empty) (up to 8 alpha/numeric characters) -- Enter your Company ID. The company ID is a unique number assigned to each merchant by ADSI.

Sequence Number -- (Default Value = Empty) (6-digits) -- This field displays your batch's sequence number. This value is automatically incremented by the software during normal batch operation. Do not alter this value unless directed by a Technical Support Representative.

Private Label Cards -- (Default = Unchecked) -- If you check this box, private label cards will be accepted. Uncheck this option if you only want to process transactions using major credit cards.

Batch Information

The fields in this section of the **ASDI Extended Setup** window display your open batch information. These values are automatically incremented by **PC**Charge during normal batch operation. Do not alter these values unless directed by a Technical Support Representative.

American Express (AMEX)

AMEX Notes

- AMEX accounts are terminal based.
- AMEX will provide you with a 10-digit Merchant (SE) Number. Use this as your **Credit Card Company Number** when setting up your account in **PC**Charge. Consult the section **Credit Card Company Setup** in your **PC**Charge User's Manual for more information.
- Processing a credit card directly through American Express is slightly different from processing using other credit card processing companies. Consult the section **AMEX Settle Setup** in your **PC**Charge User's Manual for more information.
- After batch settlement, AMEX acknowledgement and confirmation files are obtained by clicking the **Get Results** button in the **AMEX Batch Archive** window (details provided in the **PC**Charge User's Manual). Please note that AMEX estimates that the acknowledgement file could take up to 30 minutes to be generated (after settlement), and the confirmation file could take up to 4 hours to be generated (after settlement).
- **PC**Charge can connect to AMEX via a dial-up modem connection or Internet connection (for authorization) and an Internet connection (for settlement).
    - Consult the section **Dial-up Modem Processing** in **About Communication Types** for more information on dial-up modem processing (see page 13).
    - Consult the section **Internet Processing** in **About Communication Types** for more information on TCP/IP processing (see page 14).

AMEX Contact Information

- **WWW** -- http://www.americanexpress.com
- **Customer Service** -- (888) 829-7302, (800) 222-3781

AMEX Extended Data Fields

American Express

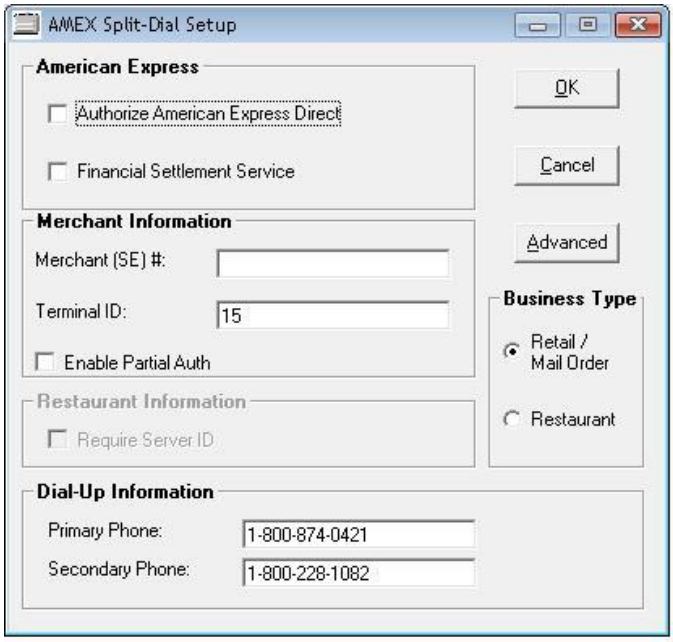
Authorize American Express Direct -- (Default = Unchecked) -- This option is enabled by default and cannot be altered since American Express will be authorizing your American Express transactions.

Financial Settlement Service -- (Default = Unchecked) -- This option is enabled by default and cannot be altered since American Express will be settling your American Express transactions. Consult the section **AMEX Settle Setup** in your **PC**Charge User's Manual for more information on this subject.

Business Type

Retail/Mail Order -- (Default = Selected) -- Select this option if AMEX classifies your business as retail, mail order / telephone order (MOTO), or direct marketing.

Restaurant -- (Default = Unselected) -- Select this option if AMEX classifies your business as a restaurant.



Merchant Information

Merchant (SE) #: -- (10-digits) -- This information will be supplied to you by AMEX or your merchant service provider. Enter your American Express Merchant or SE (Service Establishment) number here.

Terminal ID: -- (8-digits) – The merchant supplies this information. Enter the American Express Terminal ID number used to define different terminals/lanes.

Enable Partial Auth –-(Default = Unchecked) – Check this box if you wish to send a flag indicating the merchant will accept partial authorizations. If it is a pre-paid card and the transaction amount is greater than the Open To Buy amount on the card, AMEX will approve it and send back an Amount Due. If the same transaction is processed but the Partial Authorizations option is not enabled, AMEX will decline the transaction.

Restaurant Information

This section is not accessible unless **Restaurant** is selected as a **Business Type**.

Require Server ID -- (Default = Unchecked) (2-digits) -- By checking this box, your employee would have to enter an identification code when entering the tip for a transaction.

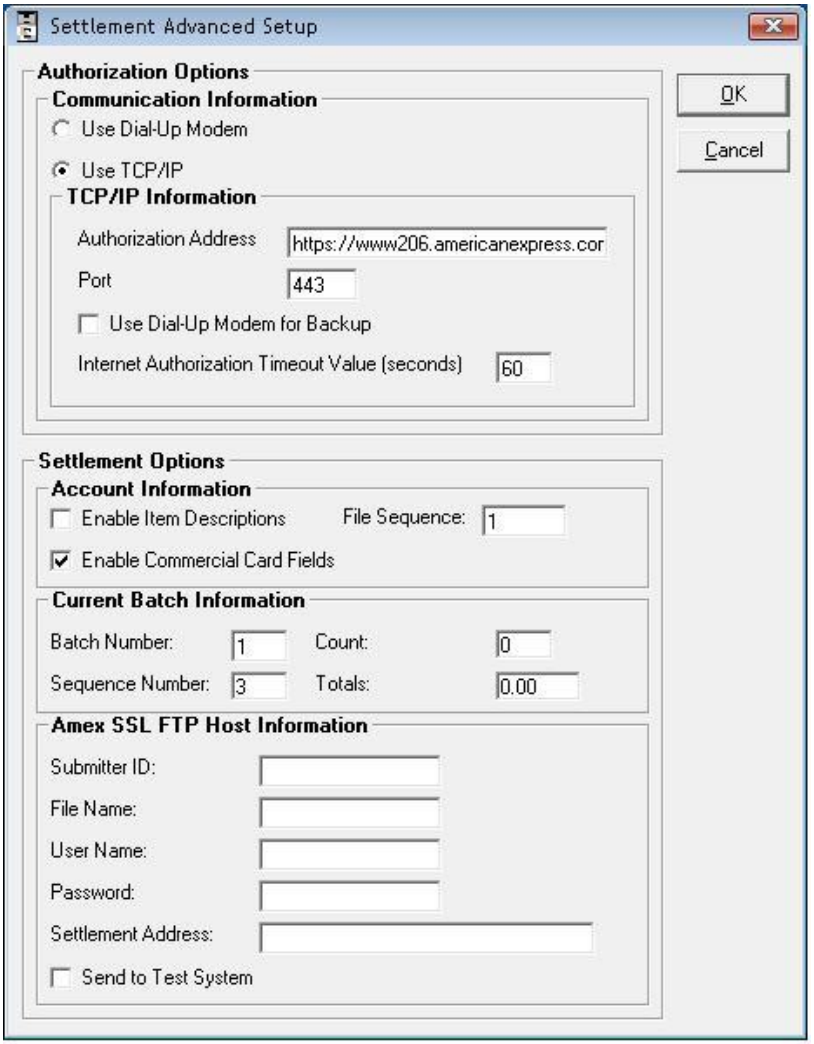
Dial-Up Information

Primary Phone: -- (Default = varies by credit card company) -- This is the first number that will be dialed during an attempted transaction.

Secondary Phone: -- (Default = varies by credit card company) -- This is the number that will be dialed during an attempted transaction if the Primary Phone number is busy or unavailable.

Advanced

Click this button to enter the **Settlement Advanced Setup** window.



Communication Information

Use Dial-Up Modem -- (Default = Selected) -- Select this option if your account is set up to connect to AMEX using your modem.

Use TCP/IP -- (Default = Unselected) -- Select this option if your account is set up to connect to AMEX via TCP/IP connection.

TCP/IP System Information

Note: This information is not accessible unless **Use TCP/IP** is enabled.

Authorization Address -- (As Shown) -- This is the AMEX gateway. Do not alter this value unless directed by a Technical Support Representative.

System Port -- (Default = 443) -- This is the AMEX system port. Do not alter this value unless directed by a Technical Support Representative.

Use Dial-up Modem for Backup -- (Default = Unchecked) -- By checking this box, **PC**Charge will attempt to connect to the processing company if unable to establish a TCP/IP connection.

Internet Authorization Timeout Value -- (Default = 0) -- Set this value to the number of seconds you want **PC**Charge to wait for TCP/IP authorization from the processing company before timing out. The backup dial-up modem you've selected will then be used to connect.

Account Information

File Sequence: -- (Default = 1) -- This value is automatically incremented by the software during normal batch operation. Do not alter this value unless directed by a Technical Support Representative.

Enable Item Descriptions-- (Default = Unchecked) -- Check this box if your company's account is set up to enable item descriptions.

Enable Commercial Card Fields -- (Default = Unchecked) -- Check this box if your company's account is set up to accept commercial cards.

Current Batch Information

These values are automatically incremented by **PC**Charge during normal batch operation. Do not alter these values unless directed by a Technical Support Representative.

Amex SSL FTP Host Information

Submitter ID: -- (up to 16 alphanumeric characters) -- This information will be supplied to you by AMEX or your merchant service provider. It is a unique number assigned to the merchant for settlement.

File Name: -- (up to 16 alphanumeric characters) -- This information will be supplied to you by AMEX or your merchant service provider. This is a unique identifier uses to name the settlement file that will be transmitted to AMEX's servers.

User Name: -- (up to 16 alphanumeric characters) -- This information will be supplied to you by AMEX or your merchant service provider. AMEX may refer to this as **Name** or **Process Control ID**.

Password: -- (up to 16 alphanumeric characters) -- This information will be supplied to you by AMEX or your merchant service provider. AMEX may refer to this as **Password** or **NAPID**.

Settlement Address: -- (Default = fsgateway.aexp.com) -- This information will be supplied to you by AMEX or your merchant service provider. AMEX may refer to this as **IP Address** or **FTP Address**. Be sure to use the exact information provided to you by AMEX; do not add any HTTP or FTP "header" to the address you are given.

Send to Test System: -- (Default = Unchecked) -- Check this box to determine the format of the files that **PC**Charge receives from AMEX. Do not alter unless directed by a Technical Support Representative.

BAMS FACTS (NPC)

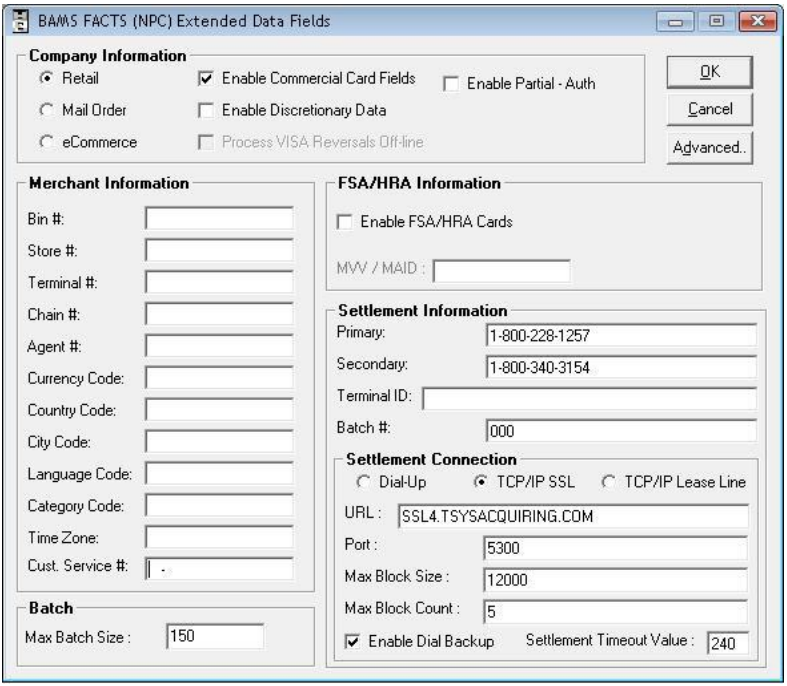
BAMS FACTS Notes

- BAMS FACTS accounts are terminal based.
- BAMS FACTS will provide you with a 12-digit Merchant Number. Use this as your **Credit Card Company Number** when setting up your account in **PC**Charge. Consult the section **Credit Card Company Setup** in your **PC**Charge User's Manual for more information.
- **PC**Charge can connect to BAMS FACTS to *authorize* transactions via a dial-up modem connection or an Internet connection. **PC**Charge can connect to BAMS FACTS to *settle* transactions via a dial-up modem connection, lease line connection, or an Internet connection.
  - Consult the section **Dial-up Modem Processing** in **About Communication Types** for more information on dial-up modem processing (see page 13).
  - Consult the section **Internet Processing** in **About Communication Types** for more information on TCP/IP processing (see page 14).
  - Consult the section **Lease Line Processing** in **About Communication Types** for more information on lease line processing (see page 14).
- If your network is protected by a firewall, you'll need to completely open port 29506 for authorization and port 29516 for settlement. These are the TCP/IP ports used by the BAMS FACTS gateway.
- **PC**Charge supports the Bill Pay program with this processor. During a transaction, you may click **Yes** when prompted to indicate if the transaction is a bill payment transaction. To learn how to enable this prompt, consult the section **Configure System** or **Preferences** in the **PC**Charge User's Manual.

BAMS FACTS Contact Information

- **Customer Service** -- (800) 928-2583

BAMS FACTS Extended Data Fields



Company Information

Retail -- (Default = Selected) -- Select this option if BAMS FACTS classifies your business as Retail (most of your business is done face to face with the customer).

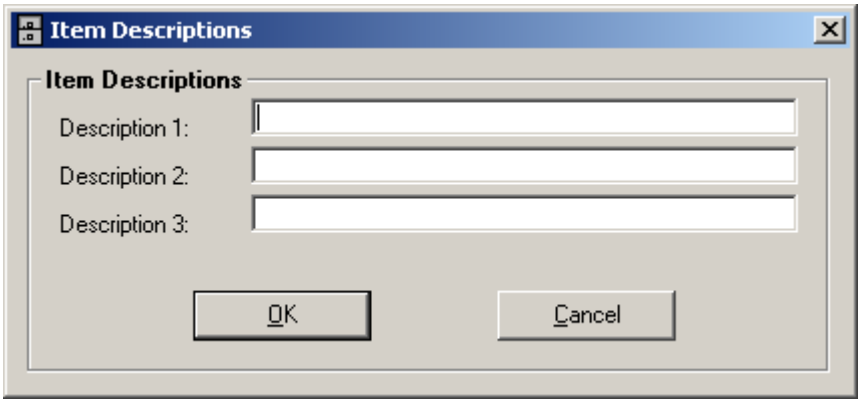
Mail Order -- (Default = Unselected) -- Select this option if BAMS FACTS classifies your business as MOTO (Mail Order/Telephone Order).

eCommerce -- (Default = Unselected) -- Select this option if BAMS FACTS classifies your business as e-Commerce.

Enable Commercial Card Fields -- (Default = Checked) -- Uncheck this box if your company's account is not set up to accept commercial cards.

Enable Discretionary Data -- (Default = Unchecked) – If you check this box, a form will load that allows you to enter additional descriptive data to be stored and sent at settlement.

When the Enable Discretionary Data checkbox is checked, the following form will load when processing a transaction. This form will allow the merchant to include any sort of data that they wish along with the transaction. The information entered into these fields is automatically displayed in all caps. Discretionary data can be submitted for Sales, Pre Auths, Credits, and Voice Auths.



Enable Partial-Auth -- (Default = Unchecked) – Check this box if you wish to send a flag indicating the merchant will accept partial authorizations. If it is a pre-paid card and the transaction amount is greater than the Open To Buy amount on the card, BAMS FACTS will approve it and send back an Amount Due. If the same transaction is processed but the Partial Authorizations option is not enabled, BAMS FACTS will decline the transaction.

This checkbox must be enabled in conjunction with the Enable FSA/HRA Cards option in order to allow for Partial Authorizations for FSA.

Note: The Enable Partial-Auth option must be checked in order to run Credit or Debit Balance Inquiries with BAMS FACTS as this functionality is tied to the Partial Authorization functionality.

Process VISA Reversals Off-line -- (Default = Unchecked) Allows processing of reversals on Visa cards. If the pre-authorized amount of a transaction is more than the post-authorization, you can process a reversal on the transaction. This option is not accessible unless **Mail Order** or **eCommerce** is selected as a business type.

Note: At this time, American Express and Discover do not support reversals.

Merchant Information

You must complete all of the merchant information fields before you can process transactions. Your processing company or merchant service provider will provide you with most of this information.

Bin # -- (Default = Empty) (6-digits) -- Enter the 6-digit, non-zero, acquiring bank's identification number.

Store # -- (Default = Empty) (4-digits) -- Enter the 4 digit Store Number that identifies your merchant account.

Terminal # -- (Default = Empty) (4-digits) -- Allows you to enter the Terminal Number.

Chain # -- (Default = Empty) (6-digits) -- Enter your account's Chain Number.

Agent # -- (Default = Empty) (6-digits) -- Enter your account's Agent Number.

Currency Code -- (Default = 840) (3-digits) -- Allows you to enter the currency code describing the type of currency being used. 840 is the setting for U.S. dollars.

Country Code -- (Default = 840) (3-digits) -- Allows you to enter the country code that identifies your country. The Country Code 840 represents the United States.

City Code -- (Default = Empty) -- Enter your zip code. Enter only the first five digits of the zip code.

Language Code -- (Default = 00) (2-digits) -- Enter the 3-digit code identifying your language. The default setting of " 00 is for U.S. English.

Category Code -- (Default = Empty) (4-digits) -- Enter the 4-digit category code identifying your merchant type.

Time Zone -- (Default = Empty) (3-digits) -- Enter the Time Zone Code corresponding to your time zone.

Cust Service # -- (Default = Empty) – Enter your customer service number.

Batch

Max Batch Size: -- (Default = 0, which is the same as 999) -- This allows you to specify the maximum number of transactions per batch that **PC**Charge will send to the processor. If your batch is greater than the number specified, **PC**Charge will split it into multiple batches, each containing (at most) the number of transactions specified. The batches are then sent to the processor one at a time.

FSA/HRA Information

Enable FSA/HRA Cards: -- (Default = Unchecked) -- When enabled, **PC**Charge will prompt for further information when a card with an FSA/HRA BIN range is processed. If enabled, an FSA checkbox will appear on the Credit Card Transaction Form so that the user can bypass BIN checking and force the transaction to be processed as an FSA/HRA transaction.

MVV/MAID: -- (Default = Empty) – Allows you to enter the Merchant Verification Value (MVV) used to determine the merchant's eligibility to participate in the Select Merchant Fee program. MVV is only for Visa cards. MAID is the MasterCard Assigned ID, which is the MasterCard equivalent of MVV. This is a 10 character alphanumeric field. The only valid values are 0-9 and A-F.

Settlement Information

Primary -- (Default = As Shown) -- Allows you to enter a primary settlement phone number. This phone number is used when closing. If no number is specified, the default processing number will be used.

Secondary -- (Default = As Shown) -- Allows you to enter a secondary settlement phone number. This phone number is used when closing. If no number is specified, the default processing number will be used.

Terminal ID -- (Default = Empty) -- Allows you to enter the terminal identification number of your merchant account.

Batch # -- (Default = 001) -- The batch number is the counter for the current batch. This number is incremented after every batch is settled. Do not alter this value unless directed by a Technical Support Representative.

Settlement Connection

Dial-Up -- (Default = Unchecked) -- If you check this box, **PC**Charge will settle transactions for this account via your dial-up modem connection. Note that this allows for dial-up modem settlement *only*. Authorization will still occur via whatever connection you've selected from the **Communications** options in the **BAMS FACTS Advanced Options** window.

TCP/IP SSL -- (Default = Checked) -- If you check this box, **PC**Charge will settle transactions for this account via your TCP/IP SSL connection. Note that this allows for TCP/IP SSL settlement *only*. Authorization will still occur via whatever connection you've selected from the **Communications** options in the **BAMS FACTS Advanced Options** window.

TCP/IP Lease Line -- (Default = Unchecked) -- If you check this box, **PC**Charge will settle transactions for this account via your TCP/IP SSL connection. Note that this allows for TCP/IP SSL settlement *only*. Authorization will still occur via whatever connection you've selected from the **Communications** options in the **BAMS FACTS Advanced Options** window.

URL -- (Default = As Shown) -- This information is not accessible unless **TCP/IP SSL** or **TCP/IP Lease Line** is checked. This is the URL (Internet address) to which BAMS FACTS TCP/IP settlement information will be sent. Do not alter this value unless directed by a Technical Support Representative.

Port -- (Default = Empty) -- This information is not accessible unless **TCP/IP SSL** or **TCP/IP Lease Line** is checked. This is the port through which BAMS FACTS TCP/IP settlement information will be sent. Do not alter this value unless directed by a Technical Support Representative.

Max Block Size -- (Default = As Shown) -- Do not alter this value unless directed by a Technical Support Representative.

Max Block Count -- (Default = As Shown) -- Do not alter this value unless directed by a Technical Support Representative.

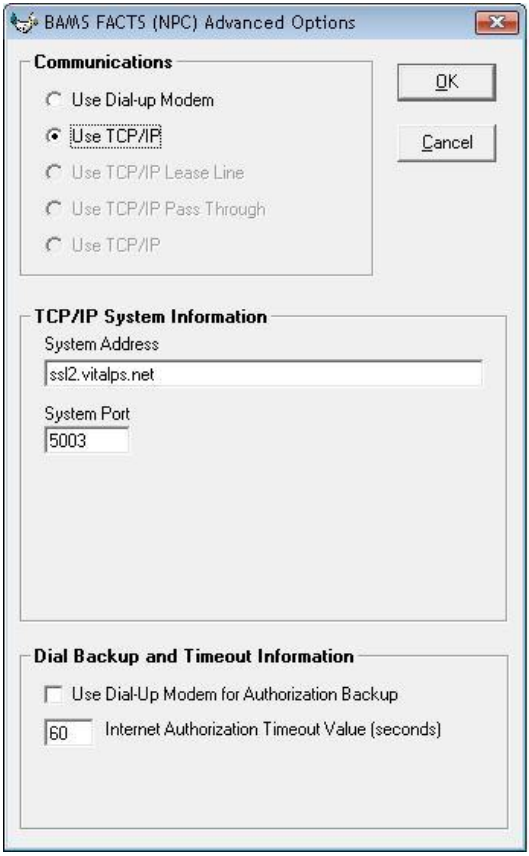
Enable Dial Backup -- (Default = Unchecked) -- This information is not accessible unless **TCP/IP SSL** or **TCP/IP Lease Line** is checked. By checking this box, **PC**Charge will attempt to connect to the processing company if unable to establish a TCP/IP connection.

Settlement Timeout Value -- (Default = 0) -- This information is not accessible unless **TCP/IP SSL** or **TCP/IP Lease Line** is checked. Set this value to the number of seconds you want **PC**Charge to wait for acknowledgement of TCP/IP settlement from the processing company before timing out. The backup dial-up modem you've selected will then be used to connect.

Advanced

Click this button to access the **BAMS FACTS Advanced Options** window.

BAMS FACTS Advanced Options



Communications

Use Dial-up Modem -- (Default = Selected) -- Select this option if your account is set up to connect to BAMS FACTS using your modem.

Use TCP/IP -- (Default = Unselected) -- If you check this box, **PC**Charge will authorize transactions for this account via the Internet. Note that this allows for Internet authorizations *only*. Settlement will occur via a dial-up connection or lease line connection (configured using the **Settle Via TCP/IP** option on the **BAMS FACTS Extended Data Fields** window).

Use TCP/IP Lease Line -- (Default = Unselected) -- Not implemented.

Use TCP/IP Pass Through -- (Default = Unselected) -- Not implemented.

TCP/IP System Information

Note: This information is not accessible unless **Use TCP/IP** is enabled.

System Address -- (As Shown) -- This is the BAMS FACTS gateway. Do not alter this value unless directed by a Technical Support Representative.

System Port -- (Default = Empty) -- This is the BAMS FACTS system port. Do not alter this value unless directed by a Technical Support Representative.

Dial Backup

Note: This information is not accessible unless **Use TCP/IP** is enabled.

Use Dial-up Modem for Backup -- (Default = Unchecked) -- By checking this box, **PC**Charge will attempt to connect to the processing company if unable to establish a TCP/IP connection.

Internet Authorization Timeout Value -- (Default = 0) -- Set this value to the number of seconds you want **PC**Charge to wait for TCP/IP authorization from the processing company before timing out. The backup dial-up modem you've selected will then be used to connect.

ECHO (ECHO)

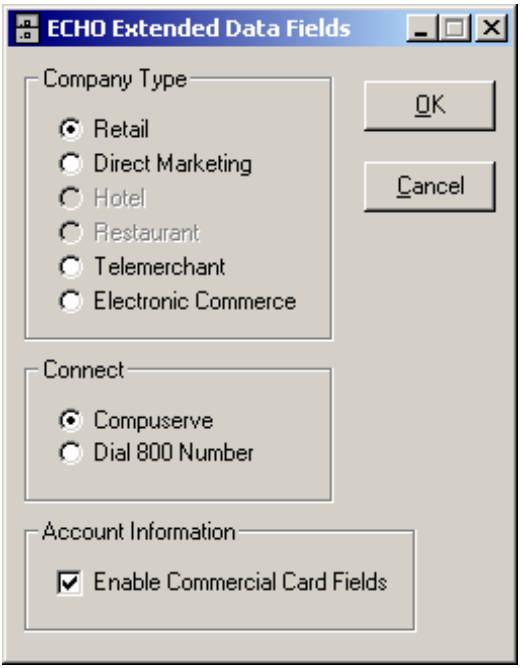
ECHO Notes

- ECHO accounts are host based.
- ECHO will provide you with a 10-digit Terminal ID. Use this as your **Credit Card Company Number** when setting up your account in **PC**Charge. Consult the section **Credit Card Company Setup** in your **PC**Charge User's Manual for more information.
- **PC**Charge can connect to ECHO via a dial-up modem connection.
  - Consult the section **Dial-up Modem Processing** in **About Communication Types** for more information on dial-up modem processing (see page 13).

ECHO Contact Information

- **WWW** -- http://www.echo-inc.com
- **Customer Service** -- (800) 233-0406

ECHO Extended Data Fields



Company Type

(Default = Retail) -- This section allows you to choose your business classification. ECHO will select this classification. You should contact ECHO for the correct classification.

Retail -- Select this option if ECHO classifies your business as Retail (most of your business is done face to face with the customer).

Direct Marketing -- Select this option if ECHO classifies your business as a direct marketer.

Hotel -- Not implemented.

Restaurant -- Not implemented.

Telemerchant -- Select this option if ECHO classifies your business as a telemarketer.

Electronic Commerce -- Select this option if ECHO classifies your business as e-Commerce.

Connect

(Default = **CompuServe**) -- This section allows you to choose different communication routes.

CompuServe -- (Default = Checked) -- Choose this option to use a communication route that is back-boned by CompuServe. **CompuServe** is the recommend selection. However, it is not available in smaller communities. The local CompuServe number is 950-0990. If you are dialing the 950-0990 number, you must have **CompuServe** selected.

Dial 800 Number -- (Default = Unchecked) -- Choose this option to communicate over the standard phone system using an 800 number. The 800 number is 1-800-486-7854. If you are dialing an 800 number, you must have this option selected.

Account Information

Enable Commercial Card Fields -- (Default = Unchecked) -- Check this box if your company's account is set up to accept commercial cards.

FDMS Atlanta, Inc. (BPAS)

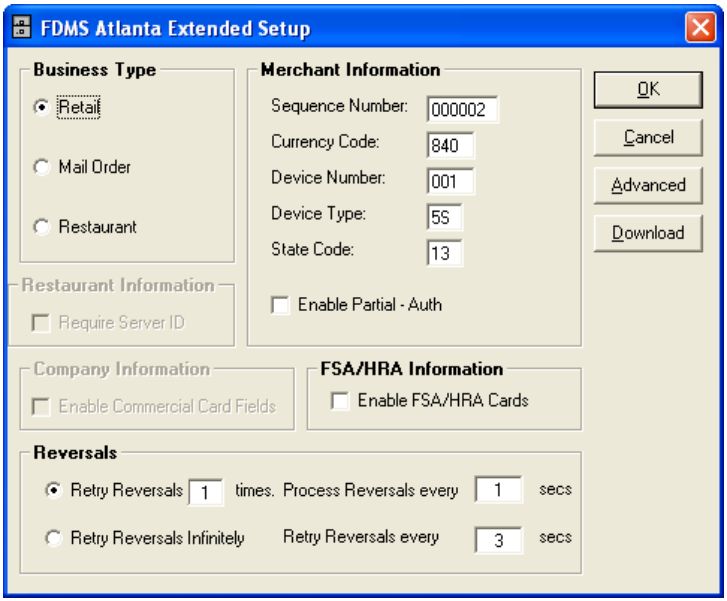
FDMS Atlanta Notes

- FDMS Atlanta accounts are host based (except for Restaurant accounts--hybrid host based / terminal based).
- FDMS Atlanta will provide you with a 6-digit Merchant Number. Use this as your **Credit Card Company Number** when setting up your account in **PC**Charge. Consult the section **Credit Card Company Setup** in your **PC**Charge User's Manual for more information.
- FDMS Atlanta currently does not support the processing of purchasing/commercial cards via an XML connection. This is a limitation of the EFSnet Gateway.
- Because the Internet connection to FDMS Atlanta is XML-based, it is necessary to install Microsoft's Internet Explorer version 6 or higher prior to setting up your FDMS Atlanta account. This will install the XML parser needed to communicate with FDMS Atlanta.
- If your account is not set up for auto close, FDMS Atlanta allows for either standard batch closure at the end of the day or multiple batch shift closings per business day. Most users will want to perform standard batch closures. You may either perform multiple shift closures via or you may perform a standard batch closure. FDMS Atlanta does not allow you to perform both shift closures and standard closures on the same day.
- FDMS Atlanta allows you to set up a password that your employees must enter into **PC**Charge before they are allowed to close a batch. This feature must be set up with FDMS Atlanta before it can be used in **PC**Charge.
- **PC**Charge can connect to FDMS Atlanta via a dial-up modem connection or an Internet connection.
    - Consult the section **Dial-up Modem Processing** in **About Communication Types** for more information on dial-up modem processing (see page 13).
    - Consult the section **Internet Processing** in **About Communication Types** for more information on TCP/IP processing (see page 14).
- If your network is protected by a firewall, you'll need to completely open port 443 for outgoing and incoming data. This is the TCP/IP port used by the FDMS Atlanta gateway.

FDMS Atlanta Contact Information

- **WWW** -- http://www.fdms.com
- **Customer Service** -- (800) 733-3322, (800) 238-7675

FDMS Atlanta Extended Data Fields



Business Type

Retail -- (Default = Selected) -- Select this option if FDMS Atlanta classifies your business as Retail (most of your business is done face to face with the customer).

Mail Order -- (Default = Unselected) -- Select this option if FDMS Atlanta classifies your business as MOTO (Mail Order/Telephone Order).

eCommerce -- (Default = Unselected) -- Not implemented.

Restaurant -- (Default = Unselected) -- Select this option if FDMS Atlanta classifies your business as a restaurant.

Merchant Information

Sequence Number: -- (Default = 000000) (6-digits) -- The sequence number is the number of the last transaction performed in the open batch. Do not alter this value unless directed by a Technical Support Representative.

Currency Code: -- (Default = 840) (3-digits) -- Enter the currency code identifying the type of currency being used. 840 is the setting for U.S. dollars.

Device Number: -- (Default = 001) (3-digits) -- Enter the 3-digit device number assigned by FDMS Atlanta.

Device Type: -- (Default = 5S) (2 characters) -- Enter the 2-digit device type assigned by FDMS Atlanta.

State Code -- (Default = 13) (2-digits) -- Enter the State Code that identifies your state.

Alabama=01, Alaska=02, Arizona=04, Arkansas=05, California=06, Colorado=08, Connecticut=09, Delaware=10, District of Columbia=11, Florida=12, Georgia=13, Puerto Rico=14, Hawaii=15, Idaho=16, Illinois=17, Indiana=18, Iowa=19, Kansas=20, Kentucky=21, Louisiana=22, Maine=23, Maryland=24, Massachusetts=25, Michigan=26, Minnesota=27, Mississippi=28, Missouri=29, Montana=30, Nebraska=31, Nevada=32, New Hampshire=33, New Jersey=34, New Mexico=35, New York=36, North Carolina=37, North Dakota=38, Ohio=39, Oklahoma=40, Oregon=41, Pennsylvania=42, Rhode Island=44, South Carolina=45, South Dakota=46, Tennessee=47, Texas=48, Utah=49, Vermont=50, Virginia=51, Virgin Islands=52, Washington=53, West Virginia=54, Wisconsin=55, Wyoming=56

Enable Partial-Auth -- (Default = Unchecked) – Check this box if you wish to send a flag indicating the merchant will accept partial authorizations. If it is a pre-paid card and the transaction amount is greater than the Open To Buy amount on the card, FDMS Atlanta will approve it and send back an Amount Due. If the same transaction is processed but the Partial Authorizations option is not enabled, FDMS Atlanta will decline the transaction.

This checkbox must be enabled in conjunction with the Enable FSA/HRA Cards option in order to allow for Partial Authorizations for FSA.

Restaurant Information

This section is not accessible unless **Restaurant** is selected as a **Business Type**.

Require Server ID -- (Default = Unchecked) (2-digits) -- By checking this box, your employee would have to enter an identification code when entering the tip for a transaction.

Company Information

Enable Commercial Card Fields -- (Default = Checked) -- Not implemented.

FSA/HRA Information

Enable FSA/HRA Cards: -- (Default = Unchecked) -- When enabled, **PC**Charge will prompt for further information when a card with an FSA/HRA BIN range is processed. If enabled, an FSA checkbox will appear on the Credit Card Transaction Form so that the user can bypass BIN checking and force the transaction to be processed as an FSA/HRA transaction.

Reversals

Note: Do not alter these settings unless directed by a Technical Support Representative.

This section is not accessible unless **Use TCP/IP EFSnet Pass Through** is selected as the **Communications Type** in the **Buypass Advanced Options** window.

Retry Reversals # -- (Default = Selected) -- Select this option if you want to specify the number of times that **PC**Charge will retry reversals.

Retry Reversals Infinitely -- (Default = Unselected) -- Select this option if you want to **PC**Charge to retry reversal transactions indefinitely.

Process Reversals every # secs -- (Default = Empty) -- Allows you to specify how often **PC**Charge will attempt to process reversals.
Retry Reversals every # secs -- (Default = Empty) -- Allows you to specify how often **PC**Charge will retry reversals.

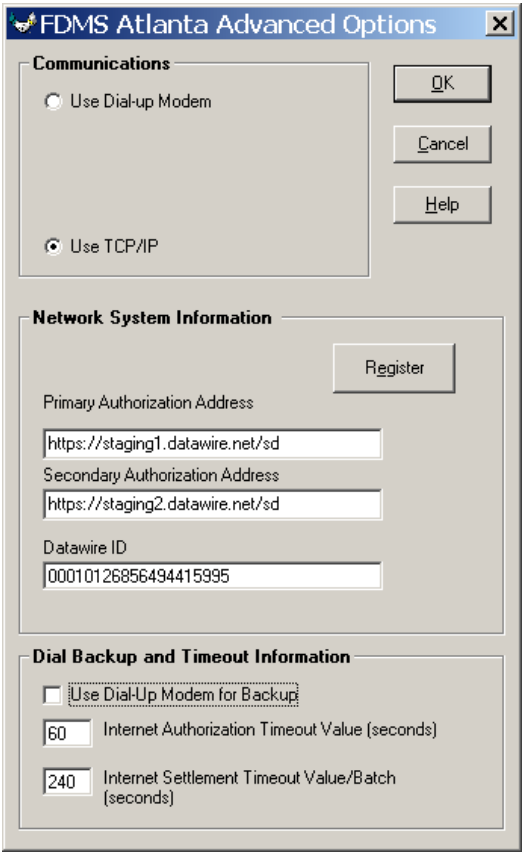
Download

Click this button to have **PC**Charge contact FDMS Atlanta and download updated account configuration information.

Advanced

Click this button to enter the **Buypass Advanced Options** window.

Buypass Advanced Options



Communications

Use Dial-Up Modem -- (Default = Selected) -- Select this option if your account is set up to connect to FDMS Atlanta via dial-up modem.

Use TCP/IP -- (Default = Unselected) -- Select this option if your account is set up to connect to FDMS Atlanta via Secure Transport (formerly Datawire).

Network System Information

Note: This information is not accessible unless **Use TCP/IP** is enabled.

- **Use TCP/IP**

  Primary Authorization Address -- (Default = As Shown) -- This is the address of FDMS Atlanta's Secure Transport URL. Do not change this setting unless directed by a Technical Support Representative.

  Secondary Authorization Address -- (Default = As Shown) -- This is the address of FDMS Atlanta's Secure Transport URL. Do not change this setting

  Datawire ID -- (Default = Empty) – This information will be provided to you by FDMS Atlanta (AKA DID or Device ID). It can be attained by clicking the **Register** button or entered manually.

Dial Backup and Timeout Information

Note: This information is not accessible unless **Use TCP/IP** is enabled.

Use Dial-up Modem for Backup -- (Default = Unchecked) -- By checking this box, **PC**Charge will attempt to connect to the processing company if unable to establish a TCP/IP connection.

Internet Authorization Timeout Value -- (Default = 60) -- Set this value to the number of seconds you want **PC**Charge to wait for TCP/IP authorization from the processing company before timing out. The backup dial-up modem you've selected will then be used to connect.

Internet Settlement Timeout Value/Batch -- (Default = 240) -- Set this value to the number of seconds you want **PC**Charge to wait for TCP/IP settlement from the processing company before timing out. The backup dial-up modem you've selected will then be used to connect.

FDMS Nashville / Envoy (FDCN)

FDMS Nashville Notes

- FDMS Nashville accounts are terminal based.
- FDMS Nashville will provide you with a 7-11-digit Merchant Number and a 7-11-digit Terminal ID. Combine these numbers to create a number that is between 14 and 22 digits long. **Example:**

  12345678901 (merchant number) *followed by* **12345678901** (terminal ID) = **1234567890112345678901** (example Credit Card Company Number)

  Use this method to construct your own **Credit Card Company Number** when setting up your account in **PC**Charge. Consult the section **Credit Card Company Setup** in your **PC**Charge User's Manual for more information.
- **PC**Charge can connect to FDMS Nashville via a dial-up modem connection or an Internet connection.
  - Consult the section **Dial-up Modem Processing** in **About Communication Types** for more information on dial-up modem processing (see page 13).
  - Consult the section **Internet Processing** in **About Communication Types** for more information on TCP/IP processing (see page 14).
- If your network is protected by a firewall, you'll need to completely open port 443 for outgoing and incoming data. This is the TCP/IP port used by the FDMS Nashville gateway.

FDMS Nashville Contact Information

- **WWW** -- http://www.fdms.com
- **Customer Service** -- (800) 647-3722

FDMS Nashville Extended Data Fields

Business Type

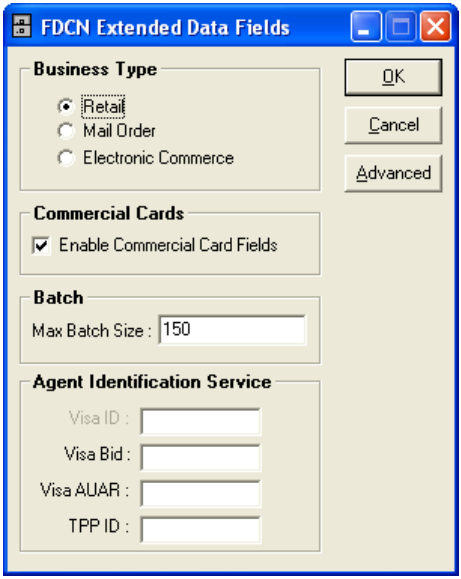
Retail -- (Default = Selected) -- Select this option if FDMS Nashville classifies your business as Retail (most of your business is done face to face with the customer).

Mail Order -- (Default = Unselected) -- Select this option if FDMS Nashville classifies your business as MOTO (Mail Order/Telephone Order).

Electronic Commerce -- (Default = Unselected) -- Select this option if FDMS Nashville classifies your business as e-Commerce.

Commercial Cards

Enable Commercial Card Fields -- (Default = Checked) -- Uncheck this option if your account is not set up to process commercial cards.



Batch

Max Batch Size: -- (Default = Empty) -- This allows you to specify the maximum number of transactions per batch that **PC**Charge will send to the processor. If your batch is greater than the number specified here, **PC**Charge will split it into multiple batches, each containing (at most) the number of transactions specified here. The batches are then sent to the processor one at a time.

Example: You have 250 transactions to settle and your **Max Batch Size:** is set to 100. **PC**Charge will send two 100-transaction batches and one 50-transaction batch.

Note: If you do not specify a value in the **Max Batch Size:** field, **PC**Charge will default to sending the maximum number of transactions per batch accepted by the processor. For FDMS Nashville, this is 999.

The following information applies to those high-end users who settle batches consisting of 100 or more transactions. Individual transactions within the batch are transmitted with extra information that can rapidly consume available system memory and resources. For those FDMS Nashville users who settle a high volume of transactions, we recommend the following system memory specifications:

- to settle a batch of 100 or more transactions: 64 megabytes system memory
- to settle a batch of 500 or more transactions: 128 megabytes system memory
- to settle a batch of 1000 or more transactions: 256 megabytes system memory

Agent Identification Service

Visa ID – This is a 1- character field provided by Visa.

Visa Bid – This is a 5-character business identifier provided by Visa.

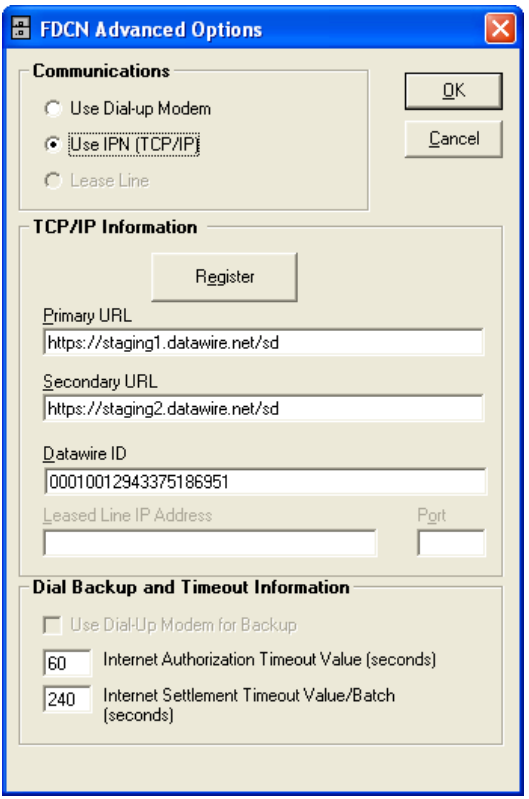
Visa AUAR – This is a 6 -character field that contains Visa's Agent Unique Account Result

TPP ID – (Default = VVF009) --This is a 6 -character field that contains the First Data TPP/Vendor ID. This is provided by First Data and is for all card types.

Advanced

Click this button to access the **FDCN Advanced Options** window.

FDCN Advanced Options



Communications

Use Dial-Up Modem -- (Default = Selected) -- Select this option if your account is set up to connect to FDMS Nashville using your modem.

Use IPN (TCP/IP) -- (Default = Unselected) -- Select this option if your account is set up to connect to FDMS Nashville via IPN (TCP/IP).

TCP/IP Information

Note: This information is not accessible unless **IPN (TCP/IP)** is enabled.

Primary URL -- (Default = As Shown) -- This is the primary URL of this processor's gateway. Do not change this setting unless directed by a Technical Support Representative.

Secondary URL -- (Default = As Shown) -- This is the secondary URL of this processor's gateway. Do not change this setting unless directed by a Technical Support Representative.

Datawire ID -- (Default = Empty) -- This information will be provided to you by FDMS Nashville (AKA DID or Device ID).

Dial Backup

Not implemented.

FDMS North-Nash (FDNN)

FDMS North-Nash Notes

- FDMS North-Nash accounts are terminal based.
- FDMS North-Nash will provide you with a 12-digit Merchant Number and a 6-character Terminal ID. Combine these numbers to create a number that is 18-digits long. **Example:**

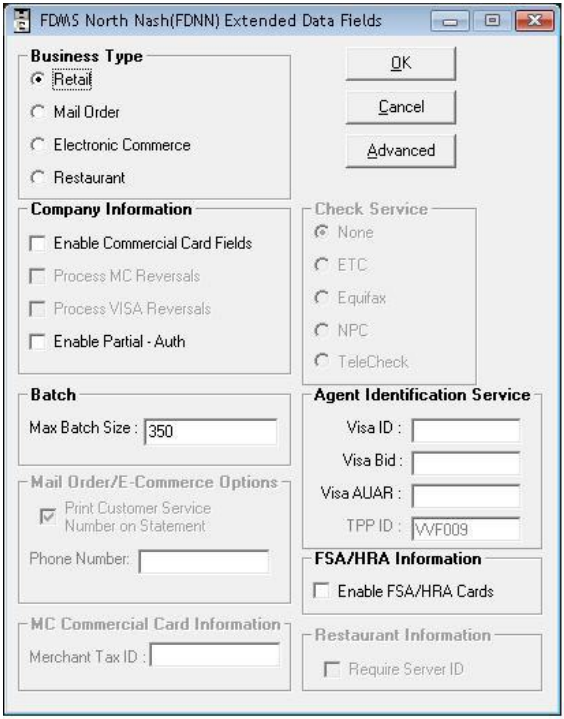
  123456789012 (merchant number) *followed by* **123456** (terminal ID) =
  123456789012123456 (example Credit Card Company Number)

  Use this method to construct your own **Credit Card Company Number** when setting up your account in **PC**Charge. Consult the section **Credit Card Company Setup** in your **PC**Charge User's Manual for more information.
- **PC**Charge can connect to FDMS North-Nash via a dial-up modem connection or an Internet connection.
  - Consult the section **Dial-up Modem Processing** in **About Communication Types** for more information on dial-up modem processing (see page 13).
  - Consult the section **Internet Processing** in **About Communication Types** for more information on TCP/IP processing (see page 14).
- If your network is protected by a firewall, you'll need to completely open port 443 for outgoing and incoming data. This is the TCP/IP port used by the FDMS North-Nash gateway.

FDMS North-Nash Contact Information

- **WWW** -- http://www.fdms.com
- **Customer Service** -- (800) 346-3315

FDMS North-Nash Extended Data Fields



Business Type

Retail -- (Default = Selected) -- Select this option if FDMS North-Nash classifies your business as Retail (most of your business is done face to face with the customer).

Mail Order -- (Default = Unselected) -- Select this option if FDMS North-Nash classifies your business as MOTO (Mail Order/Telephone Order).

Electronic Commerce -- (Default = Unselected) -- Select this option if FDMS North-Nash classifies your business as e-Commerce.

Restaurant -- (Default = Unselected) -- Select this option if FDMS North-Nash classifies your business as Restaurant.

Company Information

Enable Commercial Card Fields -- (Default = Checked) -- Uncheck this option if your account is not set up to process commercial cards.

Enable Partial-Auth -- (Default = Unchecked) – Check this box if you wish to send a flag indicating the merchant will accept partial authorizations. If it is a pre-paid card and the transaction amount is greater than the Open To Buy amount on the card, FDMS North-Nash will approve it and send back an Amount Due. If the same transaction is processed

but the Partial Authorizations option is not enabled, FDMS North-Nash will decline the transaction.

This checkbox must be enabled in conjunction with the Enable FSA/HRA Cards option in order to allow for Partial Authorizations for FSA.

Note: The Enable Partial-Auth option must be checked in order to run Credit or Debit Balance Inquiries with FDMS North-Nash as this functionality is tied to the Partial Authorization functionality.

Batch

Max Batch Size: -- (Default = Empty) -- This allows you to specify the maximum number of transactions per batch that **PC**Charge will send to the processor. If your batch is greater than the number specified here, **PC**Charge will split it into multiple batches, each containing (at most) the number of transactions specified here. The batches are then sent to the processor one at a time.

Example: You have 250 transactions to settle and your **Max Batch Size:** is set to 100. **PC**Charge will send two 100-transaction batches and one 50-transaction batch.

Note: If you do not specify a value in the **Max Batch Size:** field, **PC**Charge will default to sending the maximum number of transactions per batch accepted by the processor. For FDMS North-Nash, this is 999.

The following information applies to those high-end users who settle batches consisting of 100 or more transactions. Individual transactions within the batch are transmitted with extra information that can rapidly consume available system memory and resources. For those FDMS North-Nash users who settle a high volume of transactions, we recommend the following system memory specifications:

- to settle a batch of 100 or more transactions: 64 megabytes system memory
- to settle a batch of 500 or more transactions: 128 megabytes system memory
- to settle a batch of 1000 or more transactions: 256 megabytes system memory

Mail Order/E-Commerce Options

Note: Mail order options are not accessible unless your business type is set to **Mail Order**.

Print Customer Service Number on Statement -- (Default = Checked) -- This option allows you to print your customer service phone number on your customer's credit card statement.

Phone Number -- (Default = Empty) -- This allows you to specify your customer service phone number.

MC Commercial Card Information

Merchant Tax ID – This is an assigned tax identification number used for MasterCard commercial card processing.

Check Service

Not implemented.

Agent Identification Service

Visa ID – This is a 1- character field provided by Visa.

Visa Bid – This is a 5-character business identifier provided by Visa.

Visa AUAR – This is a 6 -character field that contains Visa's Agent Unique Account Result

TPP ID – (Default = VVF009) --This is a 6 -character field that contains the First Data TPP/Vendor ID. This is provided by First Data and is for all card types.

FSA/HRA Information

Enable FSA/HRA Cards: -- (Default = Unchecked) -- When enabled, **PC**Charge will prompt for further information when a card with an FSA/HRA BIN range is processed. If enabled, an FSA checkbox will appear on the Credit Card Transaction Form so that the user can bypass BIN checking and force the transaction to be processed as an FSA/HRA transaction.

Enable FSA/HRA Partial Auth: -- (This option is only accessible if **Enable FSA/HRA Cards** is selected) -- This allows for partial payment in cases where the amount available on the card is not enough to pay for the entire purchase of eligible items. If not enabled and the amount being authorized is greater than that available on the card, the transaction will be declined.

Restaurant Information

This section is not available unless **Restaurant** is selected as your business type.

Require Server ID -- (Default = Unchecked) (2-digits) -- By checking this box, your employee would have to enter an identification code when entering the tip for a transaction.

Notes:
FDMS North-Nash Restaurant will not allow Level II transactions.

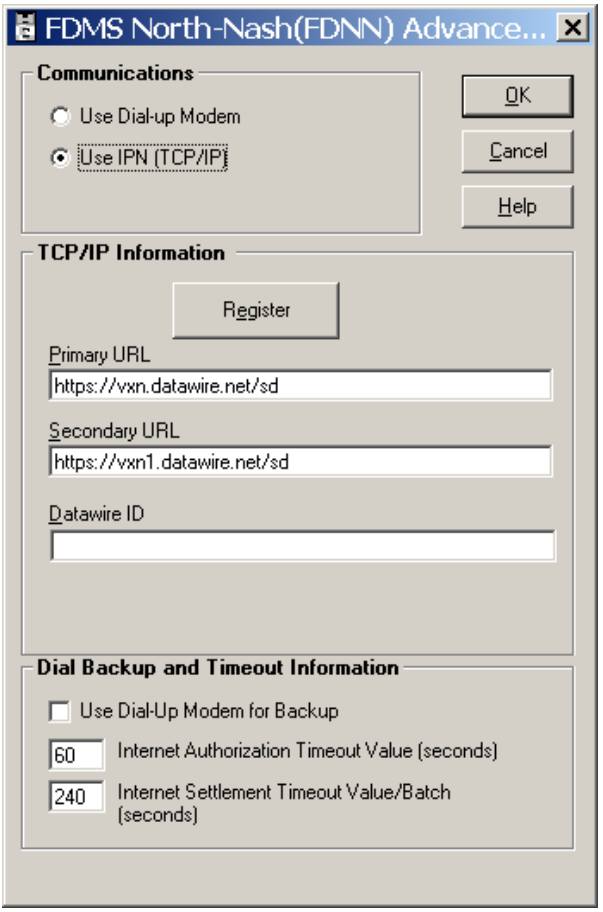
FDMS North-Nash Restaurant does NOT support CVV2/CVC2 for hand-keyed transactions. Amex CID is supported only if Amex Split Auth or Settlement is enabled.

FDMS North-Nash Restaurant WILL support both Card Present and Card Not Present transactions.

Advanced

Click this button to access the **FDNN Advanced Options** window.

FDNN Advanced Options



Communications

Use Dial-Up Modem -- (Default = Selected) -- Select this option if your account is set up to connect to FDMS North-Nash using your modem.

Use IPN (TCP/IP) -- (Default = Unselected) -- Select this option if your account is set up to connect to FDMS North-Nash via IPN (TCP/IP).

TCP/IP Information

Note: This information is not accessible unless **IPN (TCP/IP)** is enabled.

Primary URL -- (Default = As Shown) -- This is the primary URL of this processor's gateway. Do not change this setting unless directed by a Technical Support Representative.

Secondary URL -- (Default = As Shown) -- This is the secondary URL of this processor's gateway. Do not change this setting unless directed by a Technical Support Representative.

Datawire ID -- (Default = Empty) -- This information will be provided to you by FDMS North-Nash (AKA DID or Device ID).

Dial Backup

Note: This information is not accessible unless **Use IPN (TCP/IP)** is enabled.

Use Dial-up Modem for Backup -- (Default = Unchecked) -- By checking this box, **PC**Charge will attempt to connect to the processing company via dial-up modem if unable to establish a TCP/IP connection.

Internet Authorization Timeout Value -- (Default = 60) -- Set this value to the number of seconds you want **PC**Charge to wait for an authorization when connecting via TCP/IP. The backup dial-up modem is then used to establish a connection to this processing company.

Internet Settlement Timeout Value/Batch -- (Default = 240) -- Set this value to the number of seconds you want **PC**Charge to wait for a settlement when connecting via TCP/IP. The backup dial-up modem is then used to establish a connection to this processing company.

FDMS North / CardNet (CES)

FDMS North Notes

- FDMS North accounts are terminal based.
- FDMS North will provide you with a 12-digit Merchant Number and a 6-character Terminal ID. Combine these numbers to create a number that is 18-digits long. **Example:**

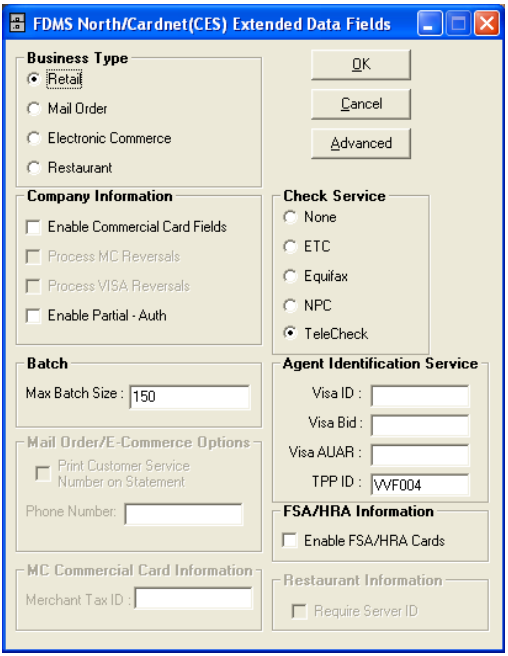
  123456789012 (merchant number) *followed by* **123456** (terminal ID) =
  123456789012123456 (example Credit Card Company Number)

  Use this method to construct your own **Credit Card Company Number** when setting up your account in **PC**Charge. Consult the section **Credit Card Company Setup** in your **PC**Charge User's Manual for more information.
- **PC**Charge can connect to FDMS North via a dial-up modem connection or an Internet connection.
  - Consult the section **Dial-up Modem Processing** in **About Communication Types** for more information on dial-up modem processing (see page 13).
  - Consult the section **Internet Processing** in **About Communication Types** for more information on TCP/IP processing (see page 14).
  - Consult the section Lease Line Processing in **About Communication Types** for more information on lease line processing (see page 14).
- If your network is protected by a firewall, you'll need to completely open port 443 for outgoing and incoming data. This is the TCP/IP port used by the FDMS North gateway.

FDMS North Contact Information

- **WWW** -- http://www.fdms.com
- **Customer Service** -- (800) 346-3315

FDMS North Extended Data Fields



Business Type

Retail -- (Default = Selected) -- Select this option if FDMS North classifies your business as Retail (most of your business is done face to face with the customer).

Mail Order -- (Default = Unselected) -- Select this option if FDMS North classifies your business as MOTO (Mail Order/Telephone Order).

Electronic Commerce -- (Default = Unselected) -- Select this option if FDMS North classifies your business as e-Commerce.

Restaurant -- (Default = Unselected) -- Select this option if FDMS North classifies your business as Restaurant.

Check Service

Select the check services company you're using in conjunction with your FDMS North account. If you won't be using a check services company in conjunction with your FDMS North account, select **None**.

ETC -- Select this option if you are using **ETC** as your check services company.

Equifax -- Select this option if you are using **Equifax** as your check services company.

NPC -- Select this option if you are using **NPC** as your check services company.

Telecheck -- Select this option if you are using **Telecheck** as your check services company.

Company Information

Enable Commercial Card Fields -- (Default = Checked) -- Uncheck this box if your company's account is not set up to accept commercial cards.

Process MC Reversals -- (Default = Unchecked) -- Not implemented.

Process Visa Reversals -- (Default = Unchecked) -- Not implemented.

Enable Partial-Auth -- (Default = Unchecked) – Check this box if you wish to send a flag indicating the merchant will accept partial authorizations. If it is a pre-paid card and the transaction amount is greater than the Open To Buy amount on the card, FDMS North will approve it and send back an Amount Due. If the same transaction is processed but the Partial Authorizations option is not enabled, FDMS North will decline the transaction.

This checkbox must be enabled in conjunction with the Enable FSA/HRA Cards option in order to allow for Partial Authorizations for FSA.

Note: The Enable Partial-Auth option must be checked in order to run Credit or Debit Balance Inquiries with FDMS North as this functionality is tied to the Partial Authorization functionality.

Batch

Max Batch Size: -- (Default = Empty) -- This allows you to specify the maximum number of transactions per batch that **PC**Charge will send to the processor. If your batch is greater than the number specified here, **PC**Charge will split it into multiple batches, each containing (at most) the number of transactions specified here. The batches are then sent to the processor one at a time.

Example: You have 250 transactions to settle and your **Max Batch Size:** is set to 100. **PC**Charge will send two 100-transaction batches and one 50-transaction batch.

Note: If you do not specify a value in the **Max Batch Size:** field, **PC**Charge will default to sending the maximum number of transactions per batch accepted by the processor. For FDMS North, this is 999.

The following information applies to those high-end users who settle batches consisting of 100 or more transactions. Individual transactions within the batch are transmitted with extra information that can rapidly consume available system memory and resources. For those FDMS North users who settle a high volume of transactions, we recommend the following system memory specifications:

- to settle a batch of 100 or more transactions: 64 megabytes system memory
- to settle a batch of 500 or more transactions: 128 megabytes system memory
- to settle a batch of 1000 or more transactions: 256 megabytes system memory

Mail Order/E-Commerce Options

Note: Mail order options are not accessible unless your business type is set to **Mail Order**.

Print Customer Service Number on Statement -- (Default = Checked) -- This option allows you to print your customer service phone number on your customer's credit card statement.

Phone Number -- (Default = Empty) -- This allows you to specify your customer service phone number.

MC Commercial Card Information

Merchant Tax ID – This is an assigned tax identification number used for MasterCard commercial card processing.

Agent Identification Service

Visa ID – This is a 1- character field provided by Visa.

Visa Bid – This is a 5-character business identifier provided by Visa.

Visa AUAR – This is a 6 -character field that contains Visa's Agent Unique Account Result

TPP ID – (Default = VVF004) --This is a 6 -character field that contains the First Data TPP/Vendor ID. This is provided by First Data and is for all card types.

FSA/HRA Information

Enable FSA/HRA Cards: -- (Default = Unchecked) -- When enabled, **PC**Charge will prompt for further information when a card with an FSA/HRA BIN range is processed. If enabled, an FSA checkbox will appear on the Credit Card Transaction Form so that the user can bypass BIN checking and force the transaction to be processed as an FSA/HRA transaction.

Enable FSA/HRA Partial Auth: -- (This option is only accessible if **Enable FSA/HRA Cards** is selected) -- This allows for partial payment in cases where the amount available on the card is not enough to pay for the entire purchase of eligible items. If not enabled and the amount being authorized is greater than that available on the card, the transaction will be declined.

Restaurant Information

This section is not available unless **Restaurant** is selected as your business type.

Require Server ID -- (Default = Unchecked) (2-digits) -- By checking this box, your employee would have to enter an identification code when entering the tip for a transaction.

Notes:
FDMS North Restaurant will not allow Level II transactions.

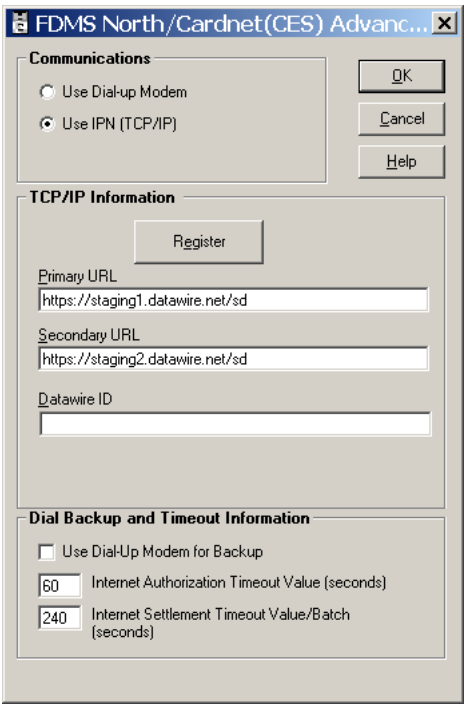
FDMS North Restaurant does NOT support CVV2/CVC2 for hand-keyed transactions. Amex CID is supported only if Amex Split Auth or Settlement is enabled.

FDMS North Restaurant WILL support both Card Present and Card Not Present transactions.

Advanced

Click this button to enter the **FDMS North / CardNet (CES) Advanced Options** window.

FDMS North / CardNet (CES) Advanced Options



Communications

Use Dial-Up Modem -- (Default = Selected) -- Select this option if your account is set up to connect to FDMS North using your modem.

Use IPN (TCP/IP) -- (Default = Unselected) -- Select this option if your account is set up to connect to FDMS North via IPN (TCP/IP).

TCP/IP Information

Note: This information is not accessible unless **Use IPN (TCP/IP)** is enabled.

Primary URL -- (Default = As Shown) -- This is the primary URL of this processor's gateway. Do not change this setting unless directed by a Technical Support Representative.

Secondary URL -- (Default = As Shown) -- This is the secondary URL of this processor's gateway. Do not change this setting unless directed by a Technical Support Representative.

Datawire ID -- (Default = Empty) -- This information will be provided to you by FDMS North (AKA DID or Device ID).

Dial Backup

Note: This information is not accessible unless **Use IPN (TCP/IP)** is enabled.

Use Dial-up Modem for Backup -- (Default = Unchecked) -- By checking this box, **PC**Charge will attempt to connect to the processing company via dial-up modem if unable to establish a TCP/IP connection.

Internet Authorization Timeout Value (seconds) -- (Default = 60) -- Set this value to the number of seconds you want **PC**Charge to wait for an authorization when connecting via TCP/IP. The backup dial-up modem is then used to establish a connection to this processing company.

Internet Settlement Timeout Value/Batch (seconds) -- (Default = 240) -- Set this value to the number of seconds you want **PC**Charge to wait for a settlement when connecting via TCP/IP. The backup dial-up modem is then used to establish a connection to this processing company.

FDMS Omaha / FDR (FDC)

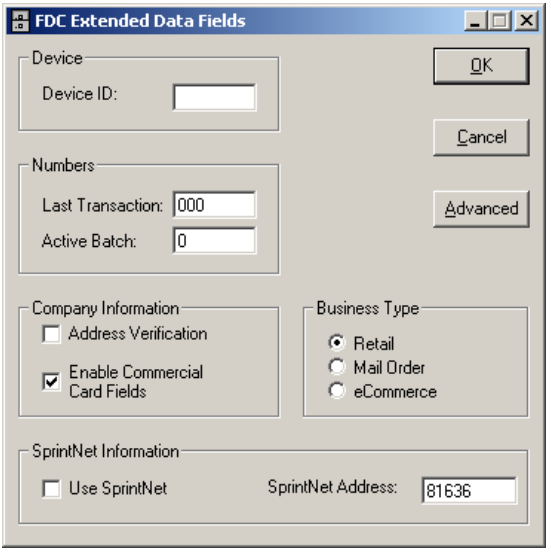
FDMS Omaha Notes

- FDC accounts are terminal based.
- FDMS Omaha is a hybrid system (your transaction information is stored on your system and their system), but **PC**Charge treats it as a terminal based system. You must settle your batch at the end of each day that you process transactions.
- FDMS Omaha will provide you with a 13-16-digit Merchant Number. Use this as your **Credit Card Company Number** when setting up your account in **PC**Charge. Consult the section **Credit Card Company Setup** in your **PC**Charge User's Manual for more information.
- **PC**Charge can connect to FDMS Omaha via a dial-up modem connection or an Internet connection.
  - Consult the section **Dial-up Modem Processing** in **About Communication Types** for more information on dial-up modem processing (see page 13).
  - Consult the section **Internet Processing** in **About Communication Types** for more information on TCP/IP processing (see page 14).
- If your network is protected by a firewall, you'll need to completely open port 443 for outgoing and incoming data. This is the TCP/IP port used by the FDMS Omaha gateway.

FDMS Omaha Contact Information

- **WWW** -- http://www.fdms.com
- **Customer Service** -- (800) 876-0026

FDMS Omaha Extended Data Fields



Device

Device ID: -- (Default = Empty) -- The device ID is a 4-character value. It differentiates multiple devices with the same merchant number. This number is only needed if you are using more than one copy of **PC**Charge with the same merchant number. Each computer must have a distinct device ID. This number is assigned by the merchant and need not be registered with FDMS Omaha.

Numbers

Note: You should not change the next two settings unless directed by a Technical Support Representative.

Last Transaction: -- (Default = 000) -- This is the item number of the last transaction. With each new transaction this number is automatically incremented by one. The last transaction will be reset every time your batch is settled.

Active Batch: -- (Default = 0) -- This is the current batch number. It has a valid range of 0-9. The active batch will automatically increment every time your batch is settled. After batch 9 (nine) is closed, this value resets to 0 (zero).

Company Information

Address Verification -- (Default = Unchecked) -- Allows you to turn on and address verification. If your business is a mail order business, check this box.

Enable Commercial Card Fields -- (Default = Checked) -- Uncheck this box if your company's account is not set up to accept commercial cards.

Business Type

Retail -- (Default = Selected) -- Select this option if FDMS Omaha classifies your business as Retail (most of your business is done face to face with the customer).

Mail Order -- (Default = Unselected) -- Select this option if FDMS Omaha classifies your business as MOTO (Mail Order/Telephone Order).

Electronic Commerce -- (Default = Unselected) -- Select this option if FDMS Omaha classifies your business as e-Commerce.

SprintNet Information

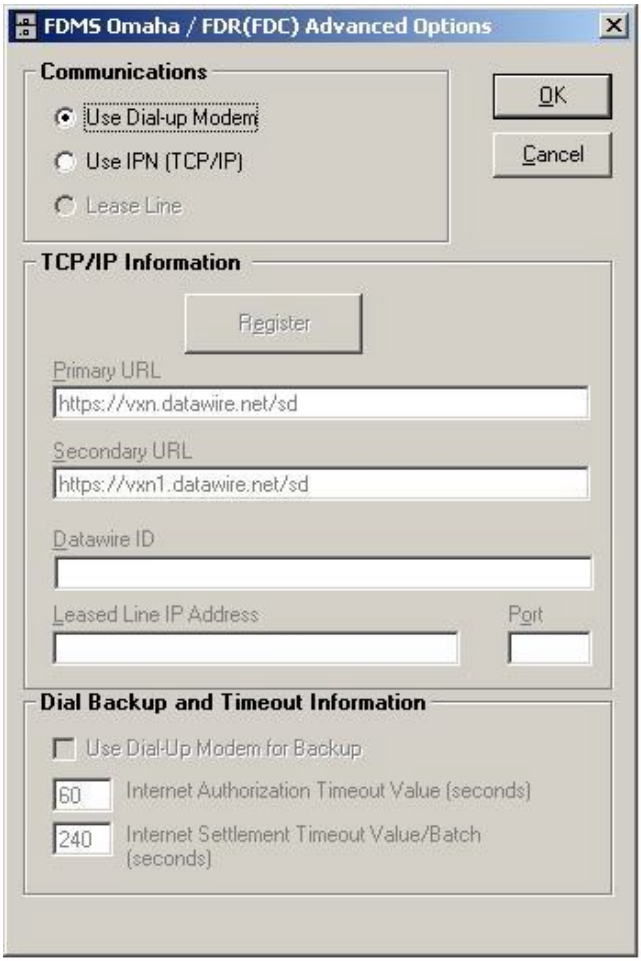
Use SprintNet -- (Default = Unchecked) -- Check this box to use SprintNet. SprintNet is an alternative method of accessing your processor. Contact your merchant representative for local access phone numbers.

SprintNet Address: -- (Default = 81636) -- This number allows proper identification for the Sprint Net phone system. Do not change this value unless directed by a Technical Support Representative.

Advanced

Click this button to access the **FDMS Omaha / FDR (FDC) Advanced Options** window.

FDMS Omaha / FDR (FDC) Advanced Options



Communications

Use Dial-Up Modem -- (Default = Selected) -- Select this option if your account is set up to connect to FDMS Omaha using your modem.

Use IPN (TCP/IP) -- (Default = Unselected) -- Select this option if your account is set up to connect to FDMS Omaha via an IPN connection.

TCP/IP Information

Note: This information is not accessible unless **Use TCP/IP** is enabled.

Primary URL -- (Default = As Shown) -- This is the primary URL of this processor's gateway. Do not change this setting unless directed by a Technical Support Representative.

Secondary URL -- (Default = As Shown) -- This is the secondary URL of this processor's gateway. Do not change this setting unless directed by a Technical Support Representative.

Datawire ID -- (Default = Empty) -- This information will be provided to you by FDMS Omaha (AKA DID or Device ID).

Dial Backup

Note: This information is not accessible unless **Use TCP/IP** is enabled.

Use Dial-up Modem for Backup -- (Default = Unchecked) -- By checking this box, **PC**Charge will attempt to connect to the processing company via dial-up modem if unable to establish a TCP/IP connection.

Internet Authorization Timeout Value -- (Default = 60) -- Set this value to the number of seconds you want **PC**Charge to wait for an authorization when connecting via TCP/IP. The backup dial-up modem is then used to establish a connection to this processing company.

Internet Settlement Timeout Value/Batch -- (Default = 240) -- Set this value to the number of seconds you want **PC**Charge to wait for a settlement when connecting via TCP/IP. The backup dial-up modem is then used to establish a connection to this processing company.

FDMS South / NaBanco (NB)

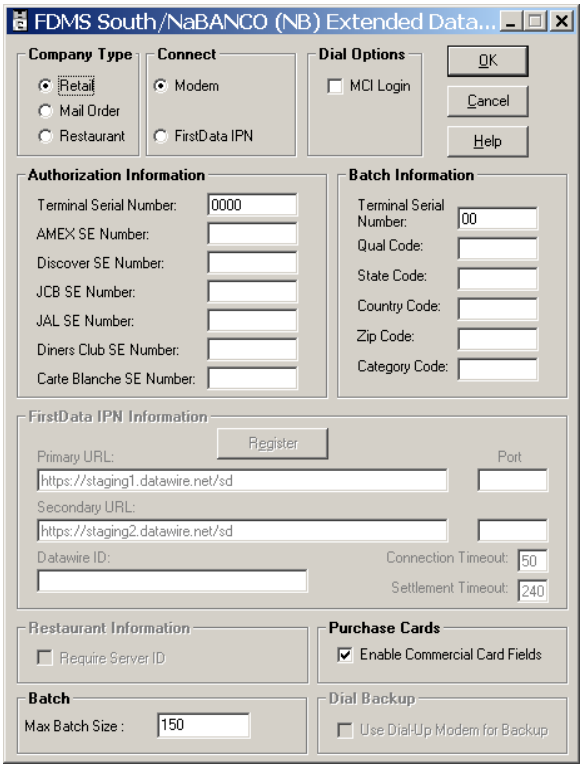
FDMS South Notes

- FDMS South accounts are terminal based.
- FDMS South will provide you with an 11-digit Merchant Number. Use this as your **Credit Card Company Number** when setting up your account in **PC**Charge. Consult the section **Credit Card Company Setup** in your **PC**Charge User's Manual for more information.
  - Please note that the current version of **PC**Charge requires an 11-digit MID for FDMS South accounts. Versions of **PC**Charge earlier than 5.7 required a 9-digit MID. If you are upgrading to this version of **PC**Charge, you must contact FDMS South or your merchant service provider to obtain a new 11-digit MID.
- FDMS South will occasionally return certain pieces of transaction information that contain spaces. **PC**Charge will change each of these spaces to an asterisk (*) to make the resulting information more legible. However, should you need to contact FDMS South merchant support to review your account or transactions, be sure to read out any asterisk as a space.
- **PC**Charge can connect to FDMS South via a dial-up modem connection, an Internet connection, or a lease line connection.
  - Consult the section **Dial-up Modem Processing** in **About Communication Types** for more information on dial-up modem processing (see page 13).
  - Consult the section **Internet Processing** in **About Communication Types** for more information on TCP/IP processing (see page 14).
  - Consult the section **Lease Line Processing** in **About Communication Types** for more information on lease line processing (see page 14).
- If your network is protected by a firewall, you'll need to completely open port 443 for outgoing and incoming data. This is the TCP/IP port used by the FDMS South gateway.

FDMS South Contact Information

- **WWW** -- http://www.fdms.com
- **Customer Service** -- (800) 732-9195

FDMS South Extended Data Fields



Company Type

Retail -- (Default = Selected) -- Select this option if FDMS South classifies your business as Retail (most of your business is done face to face with the customer).

Mail Order -- (Default = Unselected) -- Select this option if FDMS South classifies your business as MOTO (Mail Order/Telephone Order). This setting is not accessible unless **Connect** is set to **Modem** or **TCP/IP**.

Restaurant -- (Default = Unselected) -- Select this option if FDMS South classifies your business as Restaurant. This setting is not accessible unless **Connect** is set to **Modem**.

Connect

Modem -- (Default = Selected) – Select this option if your account is set up to connect to FDMS South via a direct, dial-up modem connection.

TCP/IP Lease Line -- (Default = Unselected) -- Select this option if your account is set up to connect to FDMS South via a TCP/IP (lease line) connection.

FirstData IPN -- (Default = Unselected) -- Select this option if your account is set up to connect to FDMS South via a FirstData IPN connection.

Dial Options

MCI Login -- (Default = Unchecked) -- If your phone system requires that you login to MCI then you should check this box.

Authorization Information

Serial Number -- (Default = 0000) (4-digits) -- Allows you to enter a serial number for a particular station. The **Serial Number** allows you to designate more than one device per location.

Note: You must enter the following Service Establishment (SE) number(s) for each credit card type your FDMS South account has been configured to process.

AMEX SE Number -- (Default = Empty) -- 10-digit American Express Service Establishment number.

Discover SE Number -- (Default = Empty) -- 10-digit Discover Service Establishment number.

JCB SE Number -- (Default = Empty) -- 10-digit JCB Service Establishment number.

JAL SE Number -- (Default = Empty) -- 10-digit JAL Service Establishment number.

Diners Club SE Number -- (Default = Empty) -- 10-digit Diners Club Service Establishment number.

Carte Blanche SE Number -- (Default = Empty) -- 10-digit Carte Blanche Service Establishment number.

Batch Information

Serial Number -- (Default = 99) (2-digits) -- Provided by FDMS South. Represents the batch serial number. Do not alter the default value unless directed by a Technical Support Representative. Should match the **Serial Number:** value in **Communication Information**.

Qual Code -- (Default = Empty) -- Enter your Qual Code. This number identifies your account's plan number and the credit cards accepted.

State Code -- (Default = Empty) (2 characters) -- Enter the State Code that identifies your state.

Country Code -- (Default = 840) (3-digits) -- Enter your Country Code. The Country Code 840 represents the United States.

Zip Code -- (Default = Empty) -- Enter your Zip Code.

Category Code -- (Default = Empty) (4-digits) -- Enter the 4-digit SIC code (category code) provided by your processor.

First Data IPN Information

Note: These settings are not accessible unless **Connect** is set to **TCP/IP**.

Primary URL -- (Default = Empty) -- Set this to the URL of this processor's gateway (supplied by FDMS South).

- **Port** -- (Default = Empty) -- Set this to the port on which gateway service listens for connections (supplied by FDMS South).

Secondary URL -- (Default = Empty) -- Set this to the URL of gateway (supplied by this processor).

- **Port** -- (Default = Empty) -- Set this to the port on which the gateway service listens for connections (supplied by FDMS South).

Datawire ID -- (Default = Empty) (Up to 32 alphanumeric characters) -- Provided by FDMS South (AKA Datawire ID). Do not alter this value unless directed by a Technical Support Representative.

Connection Timeout: -- (Default = 45) -- Set this value to the number of seconds you want **PC**Charge to wait for authorization from the processing company before timing out.

Settlement Timeout: -- (Default = Empty) -- Set this value to the number of seconds you want **PC**Charge to wait for settlement from the processing company before timing out.

Restaurant Information

Note: These settings are not accessible unless **Business Type** is set to **Restaurant**.

Require Server ID -- (Default = Unchecked) (2-digits) -- By checking this box, your employee would have to enter an identification code when entering the tip for a transaction.

Note: FDMS South will not allow your actual total sale, including gratuity amount, to exceed 120% of the originally authorized sale amount.

Purchase Cards

Enable Commercial Card Fields -- **--** (Default = Checked) -- Uncheck this box if your company's account is not set up to accept commercial cards.

Dial Backup

Note: This information is not accessible unless **Use TCP/IP** is enabled.

Use Dial-Up Modem for Backup -- (Default = Unchecked) -- By checking this box, **PC**Charge will attempt to connect to the processing company if unable to establish a TCP/IP connection.

Batch

Max Batch Size: -- (Default = Empty) -- This allows you to specify the maximum number of transactions per batch that **PC**Charge will send to the processor. If your batch is greater than the number specified here, **PC**Charge will split it into multiple batches, each containing (at most) the number of transactions specified here. The batches are then sent to the processor one at a time.

Example: You have 250 transactions to settle and your **Max Batch Size:** is set to 100. **PC**Charge will send two 100-transaction batches and one 50-transaction batch.

Note: If you do not specify a value in the **Max Batch Size:** field, **PC**Charge will default to sending the maximum number of transactions per batch accepted by the processor. For FDMS South, this is 999.

The following information applies to those high-end users who settle batches consisting of 100 or more transactions. Individual transactions within the batch are transmitted with extra information that can rapidly consume available system memory and resources. For those FDMS South users who settle a high volume of transactions, we recommend the following system memory specifications:

- to settle a batch of 100 or more transactions: 64 megabytes system memory
- to settle a batch of 500 or more transactions: 128 megabytes system memory
- to settle a batch of 1000 or more transactions: 256 megabytes system memory

Fifth-Third Bank-St. Pete (BPS)

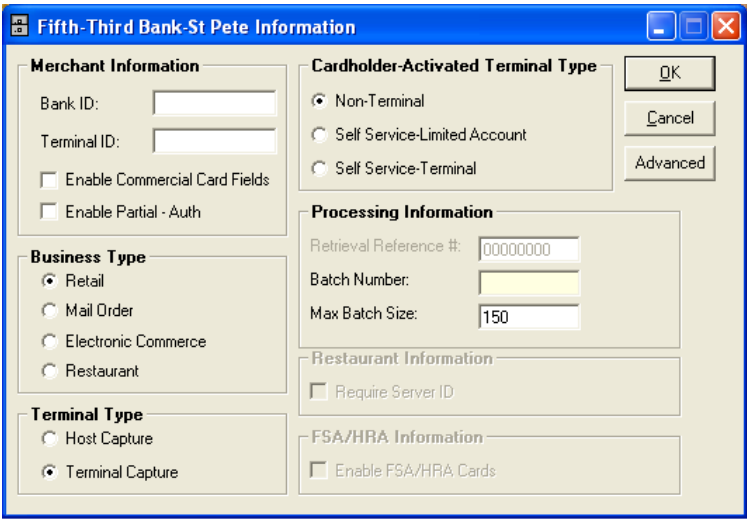
Fifth-Third Bank-St. Pete Notes

- Fifth-Third Bank-St. Pete accounts are host based (except for Restaurant accounts--terminal based).
- Fifth-Third Bank-St. Pete will provide you with a 12-digit Merchant Number. Use this as your **Credit Card Company Number** when setting up your account in **PC**Charge. Consult the section **Credit Card Company Setup** in your **PC**Charge User's Manual for more information.
- **PC**Charge can connect to Fifth-Third Bank-St. Pete via a dial-up modem connection, an Internet connection, or a lease line connection.
  - Consult the section **Dial-up Modem Processing** in **About Communication Types** for more information on dial-up modem processing (see page 13).
  - Consult the section **Internet Processing** in **About Communication Types** for more information on TCP/IP processing (see page 14).
  - Consult the section **Lease Line Processing** in **About Communication Types** for more information on lease line processing (see page 14).
- If your network is protected by a firewall, you'll need to completely open port 443 for outgoing and incoming data. This is the TCP/IP port used by the Fifth-Third Bank-St. Pete gateway.
- The **Terminal IDs** for your Fifth-Third Bank-St. Pete debit, EBT, and gift accounts can all be the same number. However, the **Terminal ID** for your Fifth-Third Bank-St. Pete credit account must be a different number (if your Fifth-Third Bank-St. Pete credit **Terminal Type** is set to **Terminal Capture**). If your Fifth-Third Bank-St. Pete credit **Terminal Type** is set to **Host Capture**, you can use the same **Terminal ID** for all your Fifth-Third Bank-St. Pete accounts.

Fifth-Third Bank-St. Pete Contact Information

- **WWW** -- https://www.53.com
- **Customer Service** -- (877) 744-5300

Fifth-Third Bank-St. Pete Extended Data Fields



Merchant Information

Bank ID -- (Default Value = Empty) (4-digits) -- Allows you to enter your Bank Identification Number.

Terminal ID -- (Default Value = Empty) (3-digits) -- Allows you to enter your Terminal Identification Number.

Enable Commercial Cards Fields -- (Default = Checked) -- Uncheck this box if your company's account is not set up to accept commercial cards.

Enable Partial-Auth -- (Default = Unchecked) – Check this box if you wish to send a flag indicating the merchant will accept partial authorizations. If it is a pre-paid card and the transaction amount is greater than the Open To Buy amount on the card, Fifth-Third Bank will approve it and send back an Amount Due. If the same transaction is processed but the Partial Authorizations option is not enabled, Fifth-Third Bank will decline the transaction. Partial Authorizations can only be enabled if your Fifth-Third Bank-St. Pete credit **Terminal Type** is set to **Terminal Capture**.

This checkbox must be enabled in conjunction with the Enable FSA/HRA Cards option in order to allow for Partial Authorizations for FSA.

Note: The Enable Partial-Auth option must be checked in order to run Credit or Debit Balance Inquiries with Fifth-Third Bank as this functionality is tied to the Partial Authorization functionality.

Cardholder Activated Terminal Type

These options primarily apply to applications that are integrated with **PC**Charge. Most users should leave the default option checked (**Non-Terminal**). This section is not accessible unless **Retail** is selected as a **Business Type**.

- **Non-Terminal** -- (Default = Selected) -- Select this option if your account is not set up as a self-service terminal.
- **Self-Serve Limited Amount** -- (Default = Selected) -- Select this option if your account is set up as a self-service terminal and you have pre-established a transaction amount with this processing company.
- **Self-Serve Terminal** -- (Default = Selected) -- Select this option if your account is set up as a self-service terminal and you have not pre-established a transaction amount with this processing company.

Business Type

Retail -- (Default = Unselected) -- Select this option if Fifth-Third Bank-St. Pete classifies your business as Retail (most of your business is done face to face with the customer).

Mail Order -- (Default = Selected) -- Select this option if Fifth-Third Bank-St. Pete classifies your business as MOTO (Mail Order/Telephone Order).

Electronic Commerce -- (Default = Unselected) -- Select this option if Fifth-Third Bank-St. Pete classifies your business as e-Commerce.

Restaurant -- (Default = Unselected) -- Select this option if Fifth-Third Bank-St. Pete classifies your business as a restaurant. This **Business Type** is not accessible unless **Terminal Capture** is selected as a **Terminal Type**.

Processing Information

Retrieval Reference #: -- (Default = As Shown) -- Do not alter the contents of this field unless directed by your merchant service provider or a Technical Support Representative. This information is not accessible unless **Host Capture** is selected as a **Terminal Type**.

Batch Number -- (Default = As Shown) -- Do not alter the contents of this field unless directed by your merchant service provider or a Technical Support Representative. This information is not accessible unless **Terminal Capture** is selected as a **Terminal Type**.

Max Batch Size -- (Default = As Shown) -- Do not alter the contents of this field unless directed by your merchant service provider or a Technical Support Representative. This information is not accessible unless **Terminal Capture** is selected as a **Terminal Type**.

Terminal Type

Host Capture -- (Default = Selected) -- Select this option if Fifth-Third Bank-St. Pete has set up your account to process transactions via host-based capture.

Terminal Capture -- (Default = Unselected) -- Select this option if Fifth-Third Bank-St. Pete has set up your account to process transactions via terminal-based capture.

Restaurant Information

This section is not accessible unless **Restaurant** is selected as a **Business Type**.

Require Server ID -- (Default = Unchecked) (2-digits) -- By checking this box, your employee would have to enter an identification code when entering the tip for a transaction.

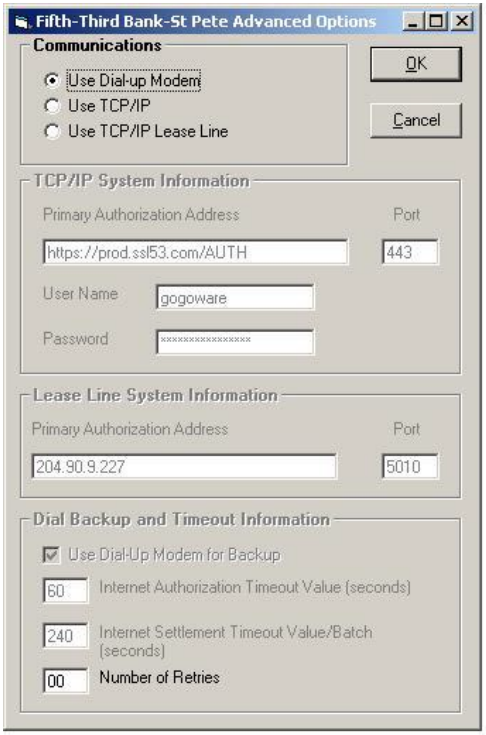
FSA/HRA Information

Enable FSA/HRA Cards: -- (Default = Unchecked) -- When enabled, **PC**Charge will prompt for further information when a card with an FSA/HRA BIN range is processed. If enabled, an FSA checkbox will appear on the Credit Card Transaction Form so that the user can bypass BIN checking and force the transaction to be processed as an FSA/HRA transaction.

Advanced

Click this button to access the **Fifth-Third Bank-St. Pete Advanced Options** window.

Fifth-Third Bank-St. Pete (BPS) Advanced Options



Communication

Use Dial-up Modem -- (Default = Unselected) -- Select this option if your account is set up to connect to Fifth-Third Bank-St. Pete using your modem.

Use TCP/IP -- (Default = Selected) -- Select this option if your account is set up to connect to the Fifth-Third Bank-St. Pete gateway to process transactions via TCP/IP.

Use TCP/IP Lease Line -- (Default = Selected) -- Select this option if your account is set up to connect to the Fifth-Third Bank-St. Pete gateway to process transactions via TCP/IP lease line.

TCP/IP System Information

Note: This information is not accessible unless **Use TCP/IP** is enabled.

Primary Authorization Address -- (Default = As Shown) -- This is the Fifth-Third Bank-St. Pete gateway. This information will be provided to you by Fifth-Third Bank-St. Pete. Do not alter this value unless directed by a Technical Support Representative.

System Port -- (Default = As Shown) -- This information will be provided to you by Fifth-Third Bank-St. Pete. Do not alter this value unless directed by a Technical Support Representative.

User Name: -- (Default = As Shown) -- This information will be provided to you by Fifth-Third Bank-St. Pete.

Password: -- (Default = As Shown) -- This information will be provided to you by Fifth-Third Bank-St. Pete.

Lease Line System Information

Note: This information is not accessible unless **Use TCP/IP Lease Line** is enabled.

Primary Authorization Address -- (Default = As Shown) -- This is the Fifth-Third Bank-St. Pete gateway. This information will be provided to you by Fifth-Third Bank-St. Pete. Do not alter this value unless directed by a Technical Support Representative.

Port -- (Default = As Shown) -- This information will be provided to you by Fifth-Third Bank-St. Pete. Do not alter this value unless directed by a Technical Support Representative.

Dial Backup

Note: This information is not accessible unless **Use TCP/IP** or **Use TCP/IP Lease Line** is enabled.

Use Dial-Up Modem for Backup -- (Default = Unchecked) -- By checking this box, **PC**Charge will attempt to connect to the processing company if unable to establish a TCP/IP connection.

Internet Authorization Timeout Value -- (Default = 60) -- Set this value to the number of seconds you want **PC**Charge to wait for TCP/IP authorization from the processing

company before timing out. The backup dial-up modem you've selected will then be used to connect.

Internet Settlement Timeout Value/Batch -- (Default = 240) -- Set this value to the number of seconds you want **PC**Charge to wait for TCP/IP settlement from the processing company before timing out. The backup dial-up modem you've selected will then be used to connect.

Number of Retries -- (Default = 00) -- Set this value to the number of times you want **PC**Charge to try to connect before 'giving up' on the IP connection.

Global Payments East (NDC)

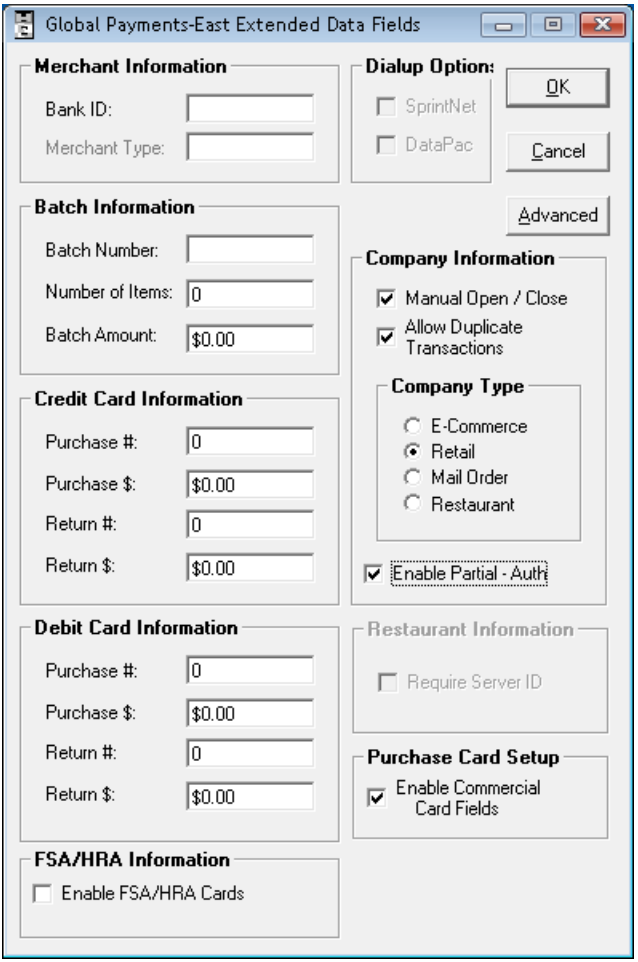
Global Payments East Notes

- Global Payments East accounts are host based (except for Restaurant accounts--terminal based).
- Global Payments East will provide you with a 1-15-digit Merchant Number. Use this as your **Credit Card Company Number** when setting up your account in **PC**Charge. Consult the section **Credit Card Company Setup** in your **PC**Charge User's Manual for more information.
- **PC**Charge can connect to Global Payments East via a dial-up modem connection or an Internet connection.
  - Consult the section **Dial-up Modem Processing** in **About Communication Types** for more information on dial-up modem processing (see page 13).
  - Consult the section **Internet Processing** in **About Communication Types** for more information on TCP/IP processing (see page 14).
- If your network is protected by a firewall, you'll need to completely open port 443 for outgoing and incoming data. This is the TCP/IP port used by the Global Payments East gateway.
- If you're using your Global Payments East account to process a non-swiped (manually entered) Visa or Discover transaction, you must specify a CVV2/CID value or your transaction will be downgraded (resulting in a higher per-transaction cost). If you choose not to or cannot specify a CVV2/CID value, **PC**Charge will prompt you to specify one of the following selections:
  - **Deliberately Bypassed** = If you're deliberately not specifying a CVV2/CID value.
  - **Value is Illegible** = If the CVV2/CID value on the card cannot be read.
  - **Value Not on Card** = If the card has no CVV2/CID value.
- Global Payments East supports Visa and MasterCard purchasing card (level two) transactions, but does not support American Express purchasing card transactions at this time. In order to process AMEX purchasing card transactions, you'll need use split dial / split settle (consult the section **Split Dial / Split Settle** in the **PC**Charge User's Guide).

Global Payments East Contact Information

- **WWW** -- http://www.globalpaymentsinc.com
- **Customer Service** -- (800) 367-2638

Global Payments East Extended Data Fields



Merchant Information

Bank ID -- (Default = Empty) (6-digits) -- Allows you to enter your Global Payments East Bank ID.

Merchant Type -- (Default = Empty) -- Not implemented.

Batch Information

This section is not accessible if **Restaurant** is selected as the **Company Type**.

Note: This information will not be used unless the **Manual/Open Close** option is checked. Do not alter these values unless directed by a Technical Support Representative.

Batch Number -- (Default = Empty) -- This field contains the current batch number. It will be incremented if you are closing your batches manually.

Number of Items -- (Default = Empty) -- This field contains the number of items in the current batch. It will be incremented automatically as transactions are entered.

Batch Amount -- (Default = $0.00) -- This field contains the total value of the open batch.

Credit Card Information

This section is not accessible if **Restaurant** is selected as the **Company Type**.

The **Credit Card Information** section displays the amounts of your credit card purchases and returns. Do not alter these values unless directed by a Technical Support Representative.

Debit Card Information

This section is not accessible unless **Restaurant** is selected as the **Company Type** in this **Global Payments East Extended Data Fields** window and **U.S.** is selected as the **Location** in the **Global Payments East (NDC) Debit Setup** window (see page 125).

The **Debit Card Information** section displays the amounts of your debit card purchases and returns. Do not alter these values unless directed by a Technical Support Representative.

FSA/HRA Information

Enable FSA/HRA Cards: -- (Default = Unchecked) -- When enabled, **PC**Charge will prompt for further information when a card with an FSA/HRA BIN range is processed. If enabled, an FSA checkbox will appear on the Credit Card Transaction Form so that the user can bypass BIN checking and force the transaction to be processed as an FSA/HRA transaction.

Dialup Options

This section is not accessible unless **Use IPN (TCP/IP)** is selected as the **Communications Type** in the **Global Payments East (NDC) Advanced Options** window. If you are connecting to Global Payments East through **SprintNet** or **DataPack**, check the appropriate box. If you are not sure if you set up to use either of these options, check with Global Payments East or whoever set up your account.

Company Information

Manual Open/Close -- (Default = Unchecked) - **PC**Charge defaults to closing your batch automatically. If you would like to change from automatic to manual or manual to automatic, you must notify your merchant service provider and/or Global Payments East. Once Global Payments East has configured your company's account to automatic or manual, you should uncheck or check this box, respectively. This option is not accessible if **Restaurant** is selected as the **Company Type**.

Allow Duplicate Transactions -- (Default = Unchecked) -- This option is a safety feature. When checked, only one transaction for a certain amount can be processed on a particular credit card number per day. This does not mean that you can't process other transactions. It just prevents accidental duplicate transactions.

Company Type

E-Commerce -- (Default = Unselected) -- Select this option if Global Payments East classifies your business as e-Commerce.

Retail -- (Default = Selected) -- Select this option if Global Payments East classifies your business as Retail (most of your business is done face to face with the customer).

Mail Order -- (Default = Unselected) -- Select this option if Global Payments East classifies your business as MOTO (Mail Order/Telephone Order).

Restaurant -- (Default = Unselected) -- Select this option if Global Payments East classifies your business as a restaurant.

Enable Partial-Auth -- (Default = Unchecked) – Check this box if you wish to send a flag indicating the merchant will accept partial authorizations. If it is a pre-paid card and the transaction amount is greater than the Open To Buy amount on the card, Global Payments will approve it and send back an Amount Due. If the same transaction is processed but the Partial Authorizations option is not enabled, Global Payments will decline the transaction.

This checkbox must be enabled in conjunction with the Enable FSA/HRA Cards option in order to allow for Partial Authorizations for FSA.

Note: The Enable Partial-Auth option must be checked in order to run Credit or Debit Balance Inquiries with Global Payments as this functionality is tied to the Partial Authorization functionality.

Restaurant Information

This section is not accessible unless **Restaurant** is selected as a **Company Type**.

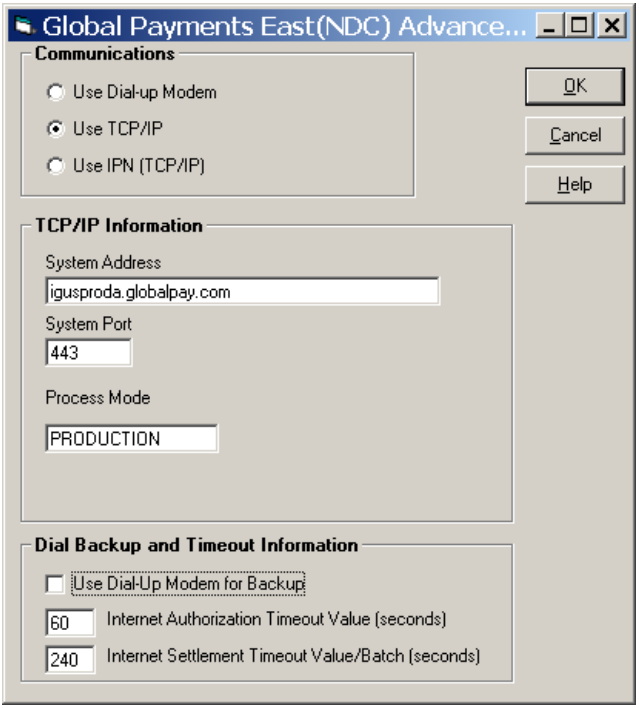
Require Server ID -- (Default = Unchecked) (2-digits) -- By checking this box, your employee would have to enter an identification code when entering the tip for a transaction.

Note: Global Payments East will not allow your actual total sale, including gratuity amount, to exceed 120% of the originally authorized sale amount.

Purchase Card Setup

Enable Commercial Card Fields -- (Default = Unchecked) -- Check this box if your company's account is set up to accept commercial cards.

Global Payments East (NDC) Advanced Options



Communications

Use Dial-Up Modem -- (Default = Selected) -- Select this option if your account is set up to connect to Global Payments East using your modem.

Use TCP/IP -- (Default = Unselected) -- Select this option if your account is set up to connect to Global Payments East via a TCP/IP connection.

Use IPN (TCP/IP) -- (Default = Unselected) -- Select this option if your account is set up to connect to Global Payments East via an IPN (TCP/IP) connection.

TCP/IP Information

Note: This information is not accessible unless **Use TCP/IP** is enabled.

System Address -- (Default = As Shown) -- This is the Global Payments gateway. Do not change this setting unless directed by a Technical Support Representative.

System Port -- (Default = As Shown) -- Do not change this setting unless directed by a Technical Support Representative.

Process Mode -- (Default = As Shown) -- Do not change this setting unless directed by a Technical Support Representative.

Datawire Information

Note: This information is not accessible unless **Use IPN (TCP/IP)** is enabled.

Register -- Click this button to obtain your **Datawire ID** from Global Payments.

Primary URL -- (Default = As Shown) -- This is the primary URL of this processor's gateway. Do not change this setting unless directed by a Technical Support Representative.

Secondary URL -- (Default = As Shown) -- This is the secondary URL of this processor's gateway. Do not change this setting unless directed by a Technical Support Representative.

Datawire ID -- (Default = Empty) -- After you click **Register**, this field will contain your Datawire ID (AKA DID or Device ID). Do not change this setting unless directed by a Technical Support Representative.

Dial Backup

Use Dial-up Modem for Backup -- (Default = Unchecked) -- By checking this box, **PC**Charge will attempt to connect to the processing company via dial-up modem if unable to establish a TCP/IP connection.

Internet Authorization Timeout Value -- (Default = 30) -- Set this value to the number of seconds you want **PC**Charge to wait for an authorization when connecting via TCP/IP. The backup dial-up modem is then used to establish a connection to this processing company.

Internet Settlement Timeout Value/Batch -- (Default = 240) -- Set this value to the number of seconds you want **PC**Charge to wait for a settlement when connecting via TCP/IP. The backup dial-up modem is then used to establish a connection to this processing company.

Heartland Payment Systems (HPTS)

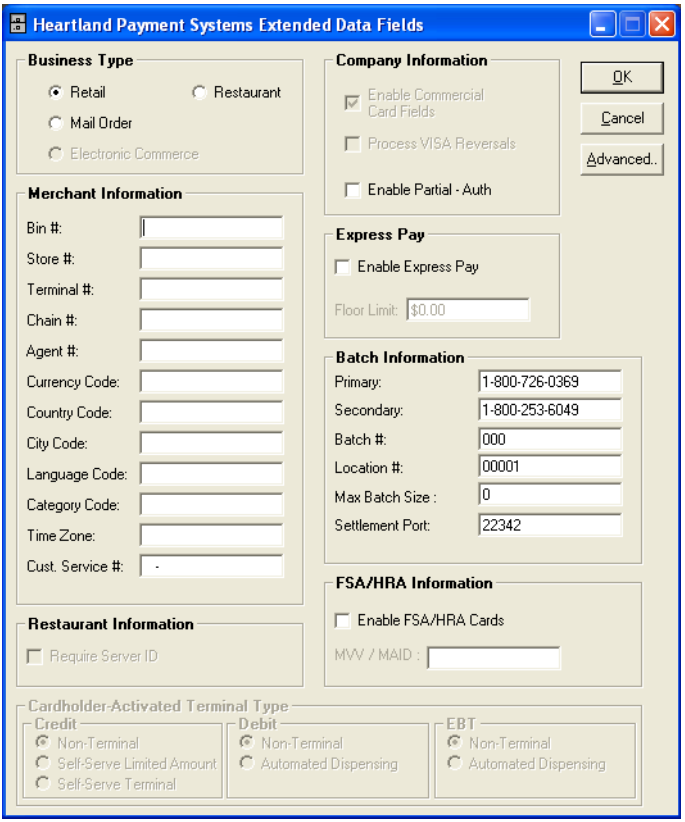
HPTS Notes

- HPTS accounts are terminal based.
- HPTS will provide you with a 12-digit Merchant Number. Use this as your **Credit Card Company Number** when setting up your account in **PC**Charge. Consult the section **Credit Card Company Setup** in your **PC**Charge User's Manual for more information.
- **PC**Charge can connect to HPTS via a dial-up modem connection or an Internet connection.
  - Consult the section **Dial-up Modem Processing** in **About Communication Types** for more information on dial-up modem processing (see page 13).
  - Consult the section **Internet Processing** in **About Communication Types** for more information on TCP/IP processing (see page 14).
- If your network is protected by a firewall, you'll need to completely open port 443 for outgoing and incoming data. This is the TCP/IP port used by the HPTS gateway.

HPTS Contact Information

- **WWW** -- http://www.heartlandpaymentsystems.com
- **Customer Service** -- (888) 963-3600

HPTS Extended Data Fields



Business Type

Retail -- (Default = Selected) -- Select this option if HPTS classifies your business as Retail (most of your business is done face to face with the customer).

Mail Order -- (Default = Unselected) -- Select this option if HPTS classifies your business as MOTO (Mail Order/Telephone Order).

Restaurant -- (Default = Unselected) -- Select this option if HPTS classifies your business as a restaurant.

Electronic Commerce -- (Default = Unselected) -- Not implemented.

Merchant Information

You must complete all of the merchant information fields before you can process transactions. Your processing company or merchant service provider will provide you with most of this information.

Bin # -- (Default = Empty) (6-digits) -- Enter the 6-digit, non-zero, acquiring bank's identification number.

Store # -- (Default = Empty) (4-digits) -- Enter the 4-digit Store Number that identifies your merchant account.

Terminal # -- (Default = Empty) (4-digits) -- Enter your account's Terminal Number.

Chain # -- (Default = Empty) (6-digits) -- Enter your account's Chain Number.

Agent # -- (Default = Empty) (6-digits) -- Enter your account's Agent Number.

Currency Code -- (Default = 840) (3-digits) -- Enter the 3-digit code identifying the type of currency being used. 840 is the setting for U.S. dollars.

Country Code -- (Default = 840) (3-digits) -- Enter the 3-digit code identifying your country. The Country Code 840 represents the United States.

City Code -- (Default = Empty) -- Enter your zip code. Enter only the first five-digits of the zip code.

Language Code -- (Default = 00) (2-digits) -- Enter the 3-digit code identifying your language. The default setting of " 00" is for U.S. English.

Category Code -- (Default = Empty) (4-digits) -- Enter the 4-digit category code identifying your merchant type.

Time Zone -- (Default = Empty) (3-digits) -- Enter the Time Zone Code corresponding to your time zone.

Customer Service # -- Enter your business's 10-digit phone number. This phone number will appear on your customer's statement and will provide your customers with a way of contacting you.

Company Information

Enable Partial-Auth -- (Default = Unchecked) – Check this box if you wish to send a flag indicating the merchant will accept partial authorizations. If it is a pre-paid card and the transaction amount is greater than the Open To Buy amount on the card, HPTS will approve it and send back an Amount Due. If the same transaction is processed but the Partial Authorizations option is not enabled, HPTS will decline the transaction.

This checkbox must be enabled in conjunction with the Enable FSA/HRA Cards option in order to allow for Partial Authorizations for FSA.

Note: The Enable Partial-Auth option must be checked in order to run Credit or Debit Balance Inquiries with HPTS as this functionality is tied to the Partial Authorization functionality.

Express Pay

This section is not accessible unless **Retail** is selected as a **Business Type**.

Enable Express Pay -- (Default = Unchecked) -- If you have set up Express Pay with the processing company, check this box. If this box is checked and the amount of the transaction is less than the **Floor Limit** amount, **PC**Charge will not authorize the transaction---it will only place the transaction in the open batch. Express Pay is usually used in a quick service environment with small ticket items. **Note:** Using Express Pay will increase transaction processing costs.

Floor Limit -- (Default = $0.00) -- Allows you to set the floor limit when using Express Pay.

Batch Information

Primary -- (Default = Empty) -- Allows you to enter a primary settlement phone number. This phone number is used when closing your batch.

Secondary -- (Default = Empty) -- Allows you to enter a secondary settlement phone number. This phone number is used when closing your batch.

Terminal ID -- (Default = Empty) -- Allows you to enter the terminal identification number of your merchant account.

Batch # -- The batch number is the counter for the current batch. **PC**Charge automatically increments this value after every batch is settled. Do not alter this value unless directed by a Technical Support Representative.

Location #: -- (Default = 00001) -- Enter a Location Number. This value designates which site or location is processing the transactions.

Max Batch Size: -- (Default = Empty) -- This allows you to specify the maximum number of transactions per batch that **PC**Charge will send to the processor. If your batch is greater than the number specified here, **PC**Charge will split it into multiple batches, each containing (at most) the number of transactions specified here. The batches are then sent to the processor one at a time.

Example: You have 250 transactions to settle and your **Max Batch Size:** is set to 100. **PC**Charge will send two 100-transaction batches and one 50-transaction batch.

Note: If you do not specify a value in the **Max Batch Size:** field, **PC**Charge will default to sending the maximum number of transactions per batch accepted by the processor. For a dial connection to HPTS, this is 999. For a TCP/IP connection to HPTS, this is 150.

The following information applies to those high-end users who settle batches consisting of 100 or more transactions. Individual transactions within the batch are transmitted with extra information that can rapidly consume available system memory and resources. For those HPTS users who settle a high volume of transactions, we recommend the following system memory specifications:

- to settle a batch of 100 or more transactions: 64 megabytes system memory
- to settle a batch of 500 or more transactions: 128 megabytes system memory
- to settle a batch of 1000 or more transactions: 256 megabytes system memory

Restaurant Information

This section is not accessible unless **Restaurant** is selected as a **Business Type**.

Require Server ID -- (Default = Unchecked) (2-digits) -- By checking this box, your employee would have to enter an identification code when entering the tip for a transaction.

FSA/HRA Information

Enable FSA/HRA Cards: -- (Default = Unchecked) -- When enabled, **PC**Charge will prompt for further information when a card with an FSA/HRA BIN range is processed. If enabled, an FSA checkbox will appear on the Credit Card Transaction Form so that the user can bypass BIN checking and force the transaction to be processed as an FSA/HRA transaction.

MVV/MAID: -- (Default = Empty) – Allows you to enter the Merchant Verification Value (MVV) used to determine the merchant's eligibility to participate in the Select Merchant Fee program. MVV is only for Visa cards. MAID is the MasterCard Assigned ID, which is the MasterCard equivalent of MVV. This is a 10 character alphanumeric field. The only valid values are 0-9 and A-F.

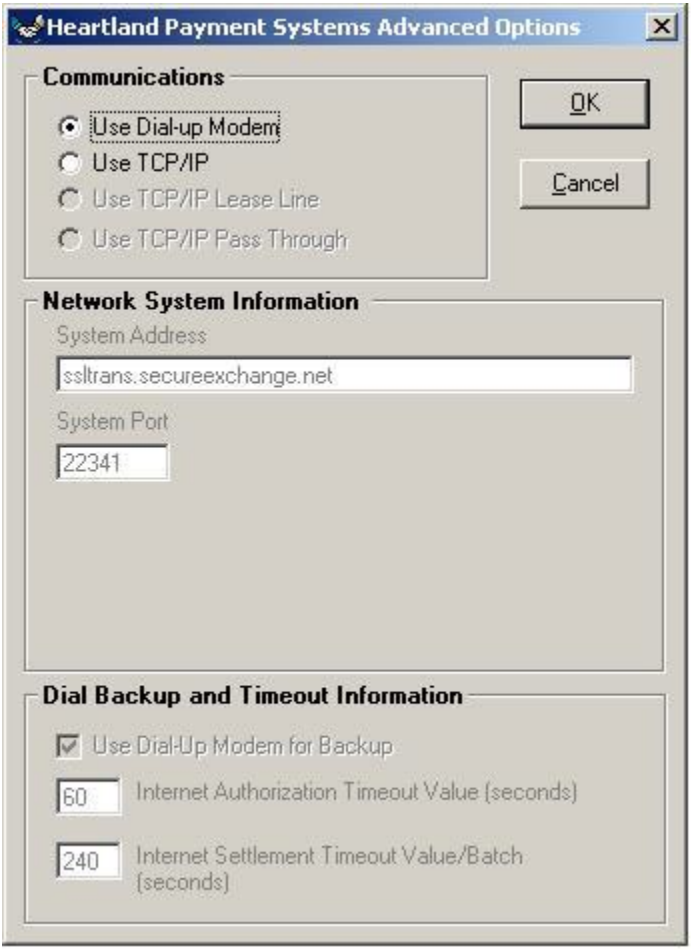
Cardholder Activated Terminal Type

Not implemented.

Advanced

Click this button to access the **HPTS Advanced Options** window.

HPTS Advanced Options



Communication

Use Dial-up Modem -- (Default = Selected) -- Select this option if your account is set up to connect to HPTS using your modem.

Use ISDN -- (Default = Unselected) -- Allows you to process transaction using an ISDN connection to HPTS made by a router on your network.

Use TCP/IP -- (Default = Unselected) -- Select this option if your account is set up to connect to HPTS via TCP/IP.

Use TCP/IP Lease Line -- (Default = Unselected) -- Not implemented.

Use TCP/IP Pass Through -- (Default = Unselected) -- Not implemented.

Network System Information

System Address -- (Default = As Shown) -- This is the HPTS gateway. Do not alter this value unless directed by a Technical Support Representative.

System Port -- (Default = Empty) -- Do not alter this information unless directed by a Technical Support Representative.

Dial Backup

Use Dial-up Modem for Backup -- (Default = Unchecked) -- By checking this box, **PC**Charge will attempt to connect to the processing company via dial-up modem if unable to establish a TCP/IP connection.

Internet Authorization Timeout Value -- (Default = 60) -- Set this value to the number of seconds you want **PC**Charge to wait for an authorization when connecting via TCP/IP. The backup dial-up modem is then used to establish a connection to this processing company.

Internet Settlement Timeout Value/Batch -- (Default = 240) -- Set this value to the number of seconds you want **PC**Charge to wait for a settlement when connecting via TCP/IP. The backup dial-up modem is then used to establish a connection to this processing company.

National Bankcard Services (NBS)

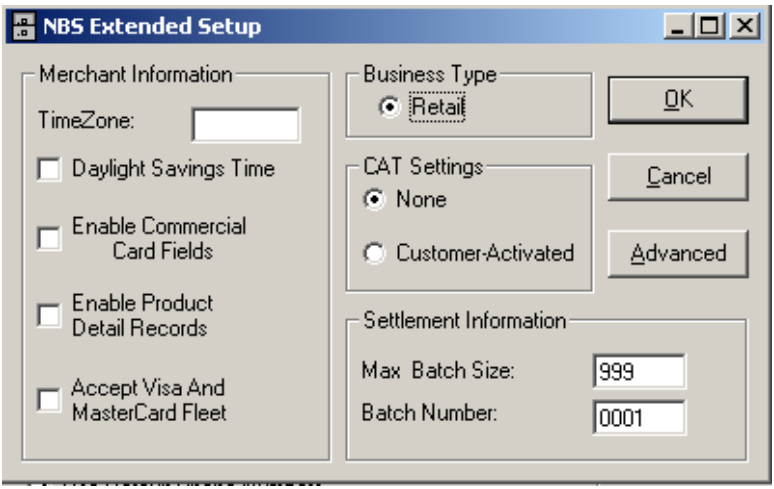
National Bankcard Services Notes

- NBS accounts are terminal based.
- NBS does not support AVS for manually keyed transactions.
- NBS does not support the use of the customer database.
- NBS will provide you with a 15 character Terminal ID. Use this as your **Credit Card Company Number** when setting up your account in **PC**Charge. Consult the section **Credit Card Company Setup** in your **PC**Charge User's Manual for more information.
- **PC**Charge can connect to NBS via a dial-up modem connection or a TCP/IP via Datawire connection.
  - Consult the section **Dial-up Modem Processing** in **About Communication Types** for more information on dial-up modem processing (see page 13).
  - Consult the section **Internet Processing** in **About Communication Types** for more information on TCP/IP processing (see page 14).
- If your network is protected by a firewall, you'll need to completely open port 443 for outgoing and incoming data. This is the TCP/IP port used by the NBS gateway.

National Bankcard Services Contact Information

- **WWW** -- http://www.nbs-inc.com
- **Customer Service** -- (800) 827-4634

NBS Extended Data Fields



Merchant Information

TimeZone -- (Default = Empty) (4-digits, HHSS) -- Enter the time offset from UTC.

Daylight Savings Time – (Default = Unchecked) -- Check this box if you are currently on Daylight Savings Time.

Enable Commercial Card Fields -- (Default = Unchecked) -- Check this box if your company's account is set up to accept commercial cards.

Enable Product Detail Records-- (Default = Unchecked) -- Check this box if your company's account is set up to enable product detail records. If Product Detail Records are not enabled, then Fleet transactions cannot be processed. Consult the section **Processing NBS Fleet Card Transactions** for more information (see page 86).

Accept Visa and MasterCard Fleet-- (Default = Unchecked) -- Check this box if your company's account is set up to accept Visa and MasterCard Fleet cards. If this box is unchecked and you attempt to process a Fleet card, it will be processed as a standard purchasing card (Product Detail Records will not be available for the transaction). Consult the section **Processing NBS Fleet Card Transactions** for more information (see page 86).

Business Type

Retail -- (Default = Selected) -- Select this option if NBS classifies your business as Retail (most of your business is done face to face with the customer). NBS is only implemented for retail at this time.

CAT Settings

None -- (Default = Selected)

Customer-Activated – (Default=Unselected) -- Select this option if your company's account is set up to process Customer-Activated-Terminal transactions.

Settlement Information

Max Batch Size: -- (Default = 999) -- This allows you to specify the maximum number of transactions per batch that **PC**Charge will send to the processor. If your batch is greater than the number specified here, **PC**Charge will split it into multiple batches, each containing (at most) the number of transactions specified here. The batches are then sent to the processor one at a time.
Example: You have 250 transactions to settle and your **Max Batch Size:** is set to 100. **PC**Charge will send two 100-transaction batches and one 50-transaction batch.

Note: If you do not specify a value in the **Max Batch Size:** field, **PC**Charge will default to sending the maximum number of transactions per batch accepted by the processor. For NBS, this is 999.

The following information applies to those high-end users who settle batches consisting of 100 or more transactions. Individual transactions within the batch are transmitted with extra information that can rapidly consume available system memory and resources. For those NBS users who settle a high volume of transactions, we recommend the following system memory specifications:

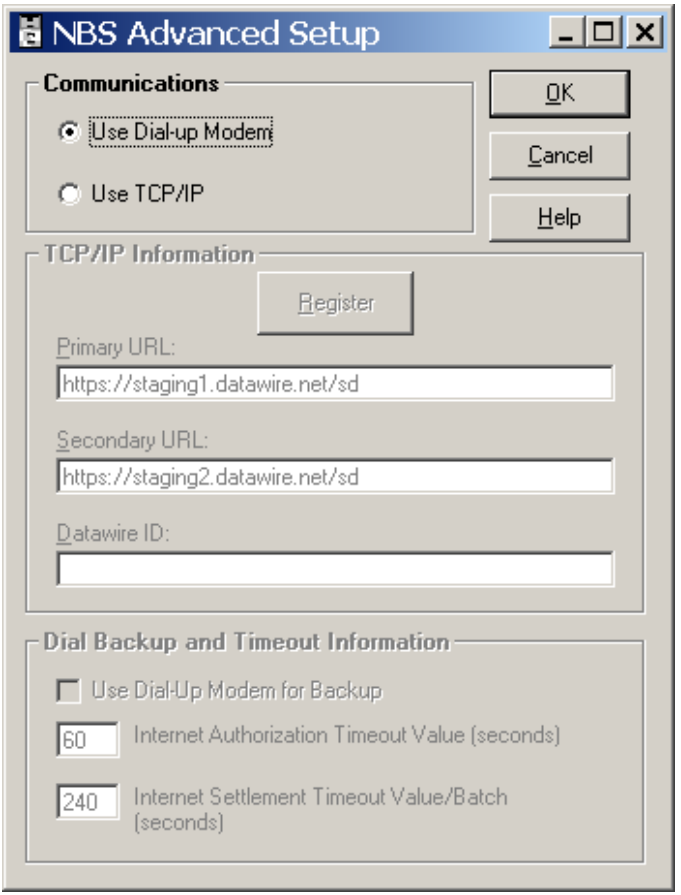
- to settle a batch of 100 or more transactions: 64 megabytes system memory
- to settle a batch of 500 or more transactions: 128 megabytes system memory
- to settle a batch of 1000 or more transactions: 256 megabytes system memory

Batch Number: -- (Default = 0001) -- This field contains the current batch number. It will be incremented if you are closing your batches manually.

Advanced

Click this button to access the **NBS Advanced Setup** window.

NBS Advanced Options



Communications

Use Dial-Up Modem -- (Default = Selected) -- Select this option if your account is set up to connect to NBS using your modem.

Use TCP/IP -- (Default = Unselected) -- Select this option if your account is set up to connect to NBS via TCP/IP.

TCP/IP Information

Note: This information is not accessible unless **Use TCP/IP** is enabled.

Register -- Click this button to obtain your **Primary URL** and **Secondary URL** from NBS.

Primary URL -- (Default = As Shown) -- After you click **Register**, this field will contain the primary URL of this processor's gateway. Do not change this setting unless directed by a Technical Support Representative.

Secondary URL -- (Default = As Shown) -- After you click **Register**, this field will contain the secondary URL of this processor's gateway. Do not change this setting unless directed by a Technical Support Representative.

Datawire ID -- (Default = Empty) -- After you click **Register**, this field will contain your Datawire ID. Do not change this setting unless directed by a Technical Support Representative.

Dial Backup

Use Dial-up Modem for Backup -- (Default = Unchecked) -- By checking this box, **PC**Charge will attempt to connect to the processing company if unable to establish a TCP/IP connection.

Internet Authorization Timeout Value (seconds) -- (Default = 60) -- Set this value to the number of seconds you want **PC**Charge to wait for TCP/IP authorization from the processing company before timing out. The backup dial-up modem you've selected will then be used to connect.

Internet Settlement Timeout Value/Batch (seconds) -- (Default = 240) -- Set this value to the number of seconds you want **PC**Charge to wait for TCP/IP settlement from the processing company before timing out. The backup dial-up modem you've selected will then be used to connect.

Processing NBS Fleet Card Transactions

Fleet cards are processed in a manner similar to processing standard credit cards. One difference is that additional fields will be present on the **PC**Charge credit card processing screen. The available codes will vary according to how your Fleet account was set up. After you fill out all required fields and click **Process**, **PC**Charge will prompt you to provide the product codes for the transaction. The product codes are available from your Fleet representative. Once you've entered these codes, you may either click **Next** to enter more product codes for the transaction, or you may click **Send** to process the transaction.

Elavon (NOVA)

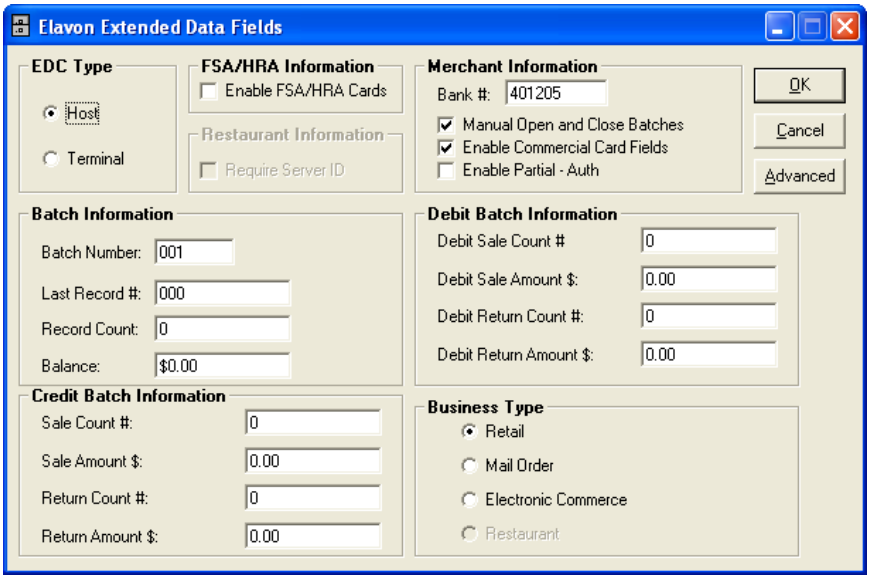
Elavon Notes

- Elavon accounts can be either host based or terminal based (except for Restaurant accounts--terminal based).
- Elavon will provide you with a 3-16-digit Terminal ID. Use this as your **Credit Card Company Number** when setting up your account in **PC**Charge. Consult the section **Credit Card Company Setup** in your **PC**Charge User's Manual for more information.
- **PC**Charge can connect to Elavon via a dial-up modem connection or an Internet connection.
  - Consult the section **Dial-up Modem Processing** in **About Communication Types** for more information on dial-up modem processing (see page 13).
  - Consult the section **Internet Processing** in **About Communication Types** for more information on TCP/IP processing (see page 14).
- If your network is protected by a firewall, you'll need to completely open port 8100 for outgoing and incoming data. This is the TCP/IP port used by the Elavon gateway.
- Elavon does not currently accept PS2000 data being captured during a **Pre-auth** transaction if your account is in host mode. Therefore, Elavon merchants in host mode will encounter transaction downgrades for this transaction type, which will result in higher per-transaction costs. We recommend that Elavon merchants in host mode use **Sale** transactions instead of the standard **Pre-auth**/**Post-auth** combination.
- Elavon account holders can now process prepaid cards. Prepaid cards are similar to phone cards or gift cards—customers load money onto them to be used at a later time. The major difference is that prepaid cards can be used anywhere that accepts credit cards. **PC**Charge includes Elavon's prepaid transaction types, providing merchants with more tools to process prepaid cards. Consult the section **Processing Prepaid Cards Using Elavon** (found later in this **Elavon** section) for more information on processing prepaid cards.

Elavon Contact Information

- **WWW** -- http://www.elavon.com
- **Customer Service** -- (800) 725-1243

Elavon Extended Data Fields



EDC Type

(Default = **Host**) -- Allows you to select an Electronic Draft Capture mode. The **EDC Type** refers to the certification type.

Host -- Select **Host** if you are set up on the Elavon system as Host Based.

Terminal -- Select **Terminal** if you are set up on the Elavon system as Terminal Based.

Business Type

Retail -- (Default = Unselected) -- Select this option if Elavon classifies your business as Retail (most of your business is done face to face with the customer).

Mail Order -- (Default = Selected) -- Select this option if Elavon classifies your business as MOTO (Mail Order/Telephone Order).

Electronic Commerce -- (Default = Unselected) -- Select this option if Elavon classifies your business as e-Commerce.

Restaurant -- (Default = Unselected) -- Select this option if Elavon classifies your business as a restaurant. This option is only accessible if **Terminal Capture** is selected as an **EDC Type**.

Merchant Information

Bank #: -- (Default = Empty) (6-digits) -- Allows you to enter your Bank ID.

Manual Open and Close Batches -- (Default = Unchecked) -- **PC**Charge defaults to closing your batch automatically. If you would like to change from automatic to manual or manual to automatic, you must notify your merchant service provider/Elavon. Once Elavon has configured your company's account to automatic or manual, you should uncheck or check this box, respectively. This field is only accessible if **Host Capture** is selected as an **EDC Type**.

Enable Commercial Card Fields -- (Default = Checked) -- Uncheck this box if your company's account is not set up to accept commercial cards.

Enable Partial-Auth -- (Default = Unchecked) – Check this box if you wish to send a flag indicating the merchant will accept partial authorizations. If it is a pre-paid card and the transaction amount is greater than the Open To Buy amount on the card, Elavon will approve it and send back an Amount Due. If the same transaction is processed but the Partial Authorizations option is not enabled, Elavon will decline the transaction.

This checkbox must be enabled in conjunction with the Enable FSA/HRA Cards option in order to allow for Partial Authorizations for FSA.

Note: The Enable Partial-Auth option must be checked in order to run Credit or Debit Balance Inquiries with Nova/Elavon as this functionality is tied to the Partial Authorization functionality.

Batch Information

PCCharge automatically updates these fields as transactions are being processed and closed. Do not alter these values unless directed by a Technical Support Representative.

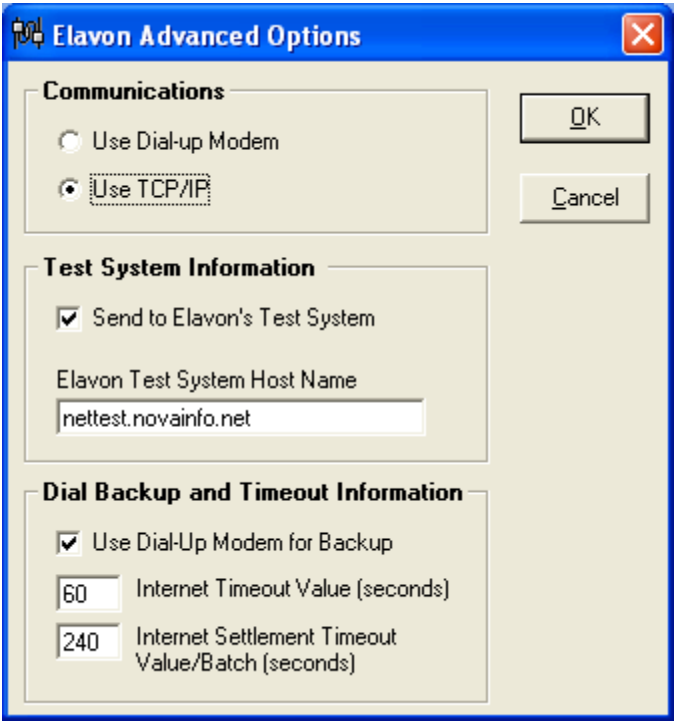
FSA/HRA Information

Enable FSA/HRA Cards: -- (Default = Unchecked) -- When enabled, **PC**Charge will prompt for further information when a card with an FSA/HRA BIN range is processed. If enabled, an FSA checkbox will appear on the Credit Card Transaction Form so that the user can bypass BIN checking and force the transaction to be processed as an FSA/HRA transaction.

Advanced

Click this button to access the **Elavon Advanced Options** window.

Elavon Advanced Options Setup



Communications

Use Dial-Up Modem -- (Default = Selected) -- Select this option if your account is set up to connect to Elavon using your modem.

Use TCP/IP -- (Default = Unselected) -- Select this option if your account is set up to connect to Elavon via TCP/IP.

Test System Information

Note: This information is not accessible unless **Use TCP/IP** is enabled.

Send to Elavon's Test System -- (Default = Unchecked) -- If you would like to send a test transaction to the Elavon Test System, enable this option.

Elavon Test System Host Name -- (Default = As Shown) -- This is the address of the Elavon Test System. Do not alter this value unless directed by a Technical Support Representative. This field is not accessible unless **Send to Elavon's Test System** is checked.

Dial Backup and Timeout Information

Note: This information is not accessible unless **Use TCP/IP** is enabled.

Use Dial-Up Modem for Backup -- (Default = Unchecked) -- By checking this box, **PC**Charge will attempt to connect to the processing company if unable to establish a TCP/IP connection.

Internet Timeout Value -- (Default = 60) -- Set this value to the number of seconds you want **PC**Charge to wait for a TCP/IP connection to be established with the processing company before timing out. The backup dial-up modem you've selected will then be used to connect.

Internet Settlement Timeout Value/Batch -- (Default = 240) -- Set this value to the number of seconds you want **PC**Charge to wait for acknowledgement of TCP/IP settlement from the processing company before timing out. The backup dial-up modem you've selected will then be used to connect.

Processing Prepaid Cards Using Elavon

Prepaid cards are similar to phone cards or gift cards—customers load money onto them to be used at a later time. The major difference is that prepaid cards can be used anywhere that accepts credit cards. For the most part, merchants can process prepaid card transactions just like standard credit card transactions. There are some exceptions, as described below.

Partial Authorization

A partial authorization isn't a transaction type, but it is a feature of prepaid card processing using Elavon. If a customer makes a purchase for an amount greater than the available balance on a prepaid card, **PC**Charge will first authorize the card's total remaining balance ("zeroing" out the card). Next, **PC**Charge will indicate the **Amount Due** in the **Results** window, which appears after a prepaid card has been successfully processed. The customer can then pay the difference using some other tender type.

All major credit card processing companies can handle prepaid cards, but Elavon includes two additional transaction types: Balance Inquire and Partial Authorization Reversal.

Balance Inquire

This transaction type simply displays the available balance for a prepaid card. **Note:** If a terminal-based Elavon merchant has performed a Partial Auth Reversal, the prepaid card's balance will not reflect that reversal of funds until after that's day's batch has been settled.

Partial Authorization Reversal

This transaction type reverses (returns) the transaction amount removed from a card after a partial authorization has occurred. This transaction amount cannot be modified; it will be the total amount that was approved during the original partial authorization.

Example: A customer has $10 on her card and purchases a $15 item. **PC**Charge will accept the transaction, remove all $10 from her card, and report an **Amount Due** of $5. Upon hearing this, the customer decides that she does not wish to use her prepaid card.

The merchant immediately performs a Partial Authorization Reversal, and the $10 is returned to the customer's prepaid card.

If an account is host-based, Elavon requires that any Partial Authorization Reversals **MUST** be processed immediately after the partial authorization occurs. This is especially important if you are using **PC**Charge Client, since other users may be processing transactions simultaneously. Should your Partial Authorization Reversal be rejected, you can perform a Credit transaction instead.

Terminal-based accounts may process Partial Authorization Reversals at any time before that day's batch has been settled.

Note: If a terminal-based Elavon merchant has performed a Partial Auth Reversal, the prepaid card's balance will not reflect that reversal of funds until after that's day's batch has been settled.

Note: Depending on the type of prepaid card, Prepaid Authorization Reversals may not be supported. Check with Elavon for the latest details regarding the types of prepaid cards with which Partial Authorization Reversals can be performed.

Paymentech (GSAR)

Paymentech Notes

- Paymentech accounts are host based (except for Restaurant accounts--terminal based).
- Paymentech will provide you with a 12-digit Merchant Number and a 3-digit Terminal ID. Combine these numbers to create a number that is 15 digits long. **Example:**

  123456789012 (merchant number) *followed by* **123** (terminal ID) =
  123456789012123 (example Credit Card Company Number)

  Use this method to construct your own **Credit Card Company Number** when setting up your account in **PC**Charge. Consult the section **Credit Card Company Setup** in your **PC**Charge User's Manual for more information.
- **PC**Charge can connect to Paymentech via a dial-up modem connection or an Internet connection.
  - Consult the section **Dial-up Modem Processing** in **About Communication Types** for more information on dial-up modem processing (see page 13).
  - Consult the section **Internet Processing** in **About Communication Types** for more information on TCP/IP processing (see page 14).
- If your network is protected by a firewall, you'll need to completely open port 443 for outgoing and incoming data. This is the TCP/IP port used by the Paymentech gateway.
- It is required that you enter a Ticket Number into **PC**Charge for Paymentech (GSAR) e-Commerce transactions
- **PCCharge Client:** If a timeout occurs when using the SC 5000 (MAC) with Paymentech, the device will automatically re-initialize. Merchants will not be able to access the menu items, transaction tabs, or other tender type options during this re-initialization period.

Paymentech Contact Information

- **WWW** -- http://www.chasepaymentech.com
- **Customer Service** -- (800) 254-9556

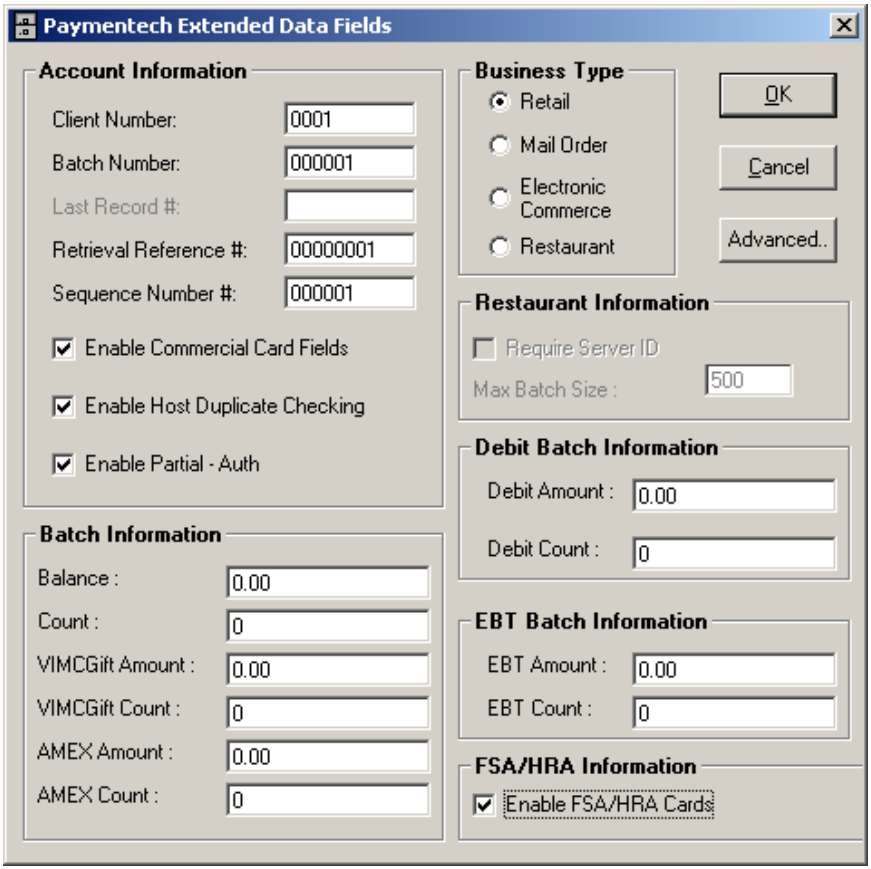
Paymentech Batch Inquiry

Merchants with Paymentech retail, MOTO, and e-commerce accounts have the ability to inquire about their open batch and receive results that are separated by card type and tender type. This function is accessed much like a standard **PC**Charge batch inquiry: simply click **Batch → Inquire → Open Batch**. **PC**Charge will prompt you to specify which merchant number (if you have more than one) and will then display the **Open Batch Inquiry** window. Click the **OK** button, and Paymentech will respond with your batch information separated by card and tender types.

Additionally, you can request an inquiry for specific card/tender types. To do this, select the appropriate card/tender type from the **Batch → Inquire** menu. Paymentech offers results for the following types:

- Visa - **Batch → Inquire → Inquire Visa**
- MasterCard - **Batch → Inquire → Inquire MasterCard**
- American Express - **Batch → Inquire → Inquire American Express**
- Discover - **Batch → Inquire → Inquire Discover**
- Private Label - **Batch → Inquire → Inquire Private Label**
- JCB - **Batch → Inquire → Inquire JCB**
- Debit - **Batch → Inquire → Inquire Debit**
- EBT - **Batch → Inquire → Inquire EBT**

Paymentech Extended Data Fields



Account Information

Client Number -- (Default = 0001) -- Set this value to your company's 4-digit Paymentech client number.

Batch Number -- (Default = 000001) -- Every time you settle a batch this field is automatically incremented by **PC**Charge.

Last Record # -- (Default = Empty) -- This field is automatically updated by **PC**Charge as transactions are being processed and/or closed. Do not alter this value unless directed by a Technical Support Representative.

Retrieval Reference # -- (Default = As Shown) -- Do not alter the contents of this field unless directed by your merchant service provider or a Technical Support Representative.

Sequence # -- (Default = 000001) -- This field displays your batch's sequence number. This value is automatically incremented by the software during normal batch operation. Do not alter this value unless directed by a Technical Support Representative.

Enable Commercial Card Fields -- (Default = Checked) -- Uncheck this box if your company's account is not set up to accept commercial cards.

Enable Duplicate Checking: -- (Default = Unchecked) -- Enabling this will activate duplicate checking on Paymentech's end. If Paymentech approves a transaction and **PC**Charge does not receive that approval, **PC**Charge will reattempt the transaction. If **Enable Duplicate Checking** has been activated, Paymentech will not approve the second transaction. Instead, Paymentech will simply return the authorization information from the first approval.

Enable Partial-Auth -- (Default = Unchecked) – Check this box if you wish to send a flag indicating the merchant will accept partial authorizations. If it is a pre-paid card and the transaction amount is greater than the Open To Buy amount on the card, Paymentech will approve it and send back an Amount Due. If the same transaction is processed but the Partial Authorizations option is not enabled, Paymentech will decline the transaction.

This checkbox must be enabled in conjunction with the Enable FSA/HRA Cards option in order to allow for Partial Authorizations for FSA.

Note: The Enable Partial-Auth option must be checked in order to run Credit Balance Inquiries with Paymentech as this functionality is tied to the Partial Authorization functionality. Balance inquiries are only supported for swiped transactions; therefore, they are only available for the Retail and Restaurant industries.

Business Type

Retail -- (Default = Selected) -- Select this option if Paymentech classifies your business as Retail (most of your business is done face to face with the customer).

Mail Order -- (Default = Unselected) -- Select this option if Paymentech classifies your business as MOTO (Mail Order/Telephone Order).

Electronic Commerce -- (Default = Unselected) -- Select this option if Paymentech classifies your business as e-Commerce.

Restaurant -- (Default = Unselected) -- Select this option if Paymentech classifies your business as a restaurant.

Restaurant Information

This section is not accessible unless **Restaurant** is selected as a **Business Type**.

Require Server ID -- (Default = Unchecked) (2-digits) -- By checking this box, your employee would have to enter an identification code when entering the tip for a transaction.

Max Batch Size – (Default = 500) -- This allows you to specify the maximum number of transactions per batch that **PC**Charge will send to the processor. If your batch is greater than the number specified here, **PC**Charge will split it into multiple batches, each containing (at most) the number of transactions specified here. The batches are then sent to the processor one at a time.

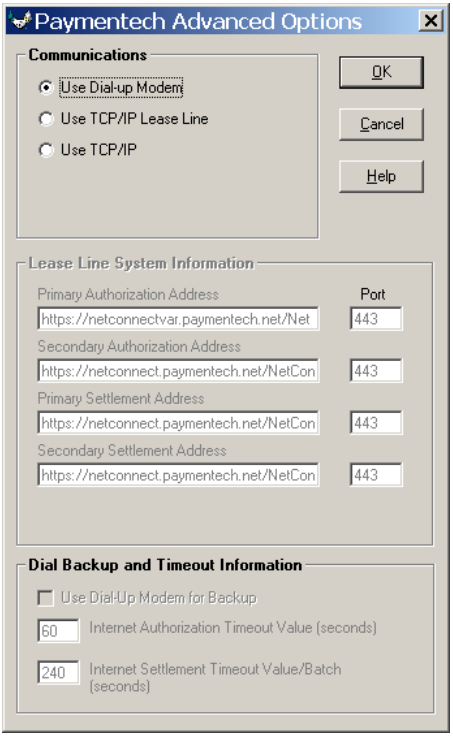
FSA/HRA Information

Enable FSA/HRA Cards: -- (Default = Unchecked) -- When enabled, **PC**Charge will prompt for further information when a card with an FSA/HRA BIN range is processed. If enabled, an FSA checkbox will appear on the Credit Card Transaction Form so that the user can bypass BIN checking and force the transaction to be processed as an FSA/HRA transaction.

Advanced

Click this button to access the **Paymentech Advanced Options** window.

Paymentech Advanced Options



Communications

Use Dial-up Modem -- (Default = Selected) -- Select this option if your account is set up to connect to Paymentech using your modem.

Use TCP/IP Lease Line -- (Default = Unselected) -- Select this option if your account is set up to connect to Paymentech via a TCP/IP lease line connection.

Use TCP/IP -- (Default = Unselected) -- Select this option if your account is set up to connect to Paymentech via TCP/IP.

Lease Line System Information

Note: This information is not accessible unless **Use TCP/IP Lease Line** is enabled.

Primary Authorization Address -- (Default = Empty) -- This information will be supplied to you by Paymentech.

Port -- (Default = Empty) -- This information will be supplied to you by Paymentech.

Secondary Authorization Address -- (Default = Empty) -- This information will be supplied to you by Paymentech.

Port -- (Default = Empty) -- This information will be supplied to you by Paymentech.

Primary Settlement Address -- (Default = Empty) -- This information will be supplied to you by Paymentech.

Port -- (Default = Empty) -- This information will be supplied to you by Paymentech.

Secondary Settlement Address -- (Default = Empty) -- This information will be supplied to you by Paymentech.

Port -- (Default = Empty) -- This information will be supplied to you by Paymentech.

TCP/IP System Information

Note: This information is not accessible unless **Use TCP/IP** is enabled.

Primary Authorization Address -- (As Shown) -- This is the Paymentech gateway. Do not alter this value unless directed by a Technical Support Representative.

System Port -- (Default = Empty) -- This information will be supplied to you by Paymentech.

User Name -- (Default = Empty) -- This user name is needed in order to communicate with Paymentech via TCP/IP. This information will be supplied to you by Paymentech.

Password -- (Default = Empty) -- This password is needed in order to communicate with Paymentech via TCP/IP. Do not alter this information unless directed by a Technical Support Representative.

Dial Backup

Note: This information is not accessible unless **Use TCP/IP Lease Line** or **Use TCP/IP** is enabled.

Use Dial-up Modem for Backup -- (Default = Unchecked) -- By checking this box, **PC**Charge will attempt to connect to the processing company if unable to establish a TCP/IP connection.

Internet Authorization Timeout Value -- (Default = 60) -- Set this value to the number of seconds you want **PC**Charge to wait for TCP/IP authorization from the processing company before timing out. The backup dial-up modem you've selected will then be used to connect.

Internet Settlement Timeout Value/Batch -- (Default = 240) -- Set this value to the number of seconds you want **PC**Charge to wait for TCP/IP settlement from the processing company before timing out. The backup dial-up modem you've selected will then be used to connect.

RBS WorldPay (LYNK)

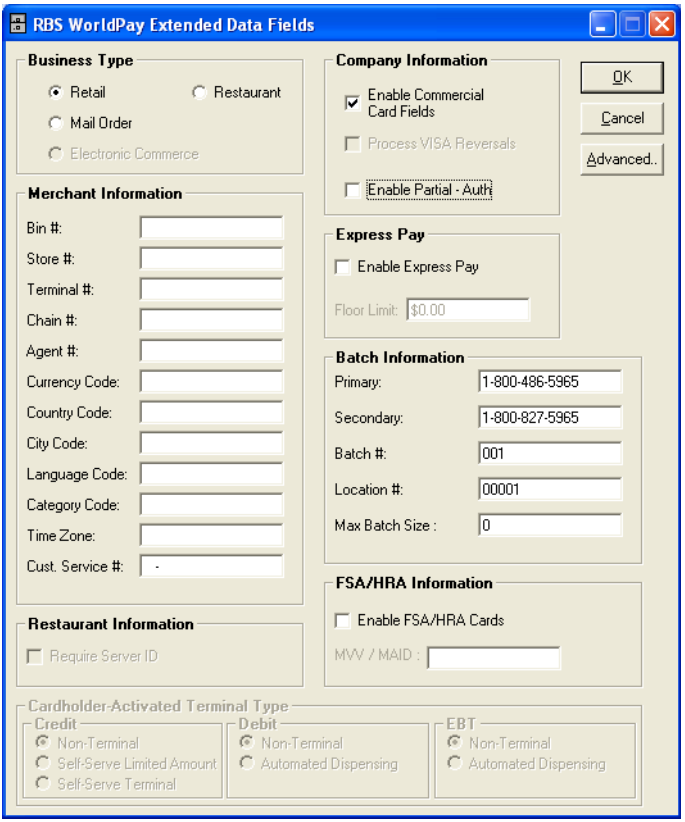
RBS WorldPay Notes

- RBS WorldPay accounts are terminal based.
- RBS WorldPay will provide you with a 12-digit Merchant Number. Use this as your **Credit Card Company Number** when setting up your account in **PC**Charge. Consult the section **Credit Card Company Setup** in your **PC**Charge User's Manual for more information.
- **PC**Charge can connect to RBS WorldPay via a dial-up modem connection, an ISDN connection, or an Internet connection.
  - Consult the section **Dial-up Modem Processing** in **About Communication Types** for more information on dial-up modem processing (see page 13).
  - Consult the section **Internet Processing** in **About Communication Types** for more information on TCP/IP processing (see page 14).
  - Consult the section **ISDN Processing** in **About Communication Types** for more information on TCP/IP processing (see page 15).
- If your network is protected by a firewall, you'll need to completely open port 443 for outgoing and incoming data. This is the TCP/IP port used by the RBS WorldPay gateway.

RBS WorldPay Contact Information

- **WWW** -- http://www.rbsworldpay.com
- **Customer Service** -- (800) 859-5965

RBS WorldPay Extended Data Fields



Business Type

Retail -- (Default = Selected) -- Select this option if RBS WorldPay classifies your business as Retail (most of your business is done face to face with the customer).

Mail Order -- (Default = Unselected) -- Select this option if RBS WorldPay classifies your business as MOTO (Mail Order/Telephone Order).

Restaurant -- (Default = Unselected) -- Select this option if RBS WorldPay classifies your business as a restaurant.

Electronic Commerce -- (Default = Unselected) -- Not implemented.

Merchant Information

You must complete all of the merchant information fields before you can process transactions. Your processing company or merchant service provider will provide you with most of this information.

Bin # -- (Default = Empty) (6-digits) -- Enter the 6-digit, non-zero, acquiring bank's identification number.

Store # -- (Default = Empty) (4-digits) -- Enter the 4 digit Store Number that identifies your merchant account.

Terminal # -- (Default = Empty) (4-digits) -- Enter your account's Terminal Number.

Chain # -- (Default = Empty) (6-digits) -- Enter your account's Chain Number.

Agent # -- (Default = Empty) (6-digits) -- Enter your account's Agent Number.

Currency Code -- (Default = 840) (3-digits) -- Enter the 3-digit code identifying the type of currency being used. 840 is the setting for U.S. dollars.

Country Code -- (Default = 840) (3-digits) -- Enter the 3 digit code identifying your country. The Country Code 840 represents the United States.

City Code -- (Default = Empty) -- Enter your zip code. Enter only the first five digits of the zip code.

Language Code -- (Default = 00) (2-digits) -- Enter the 3-digit code identifying your language. The default setting of " 00" is for U.S. English.

Category Code -- (Default = Empty) (4-digits) -- Enter the 4-digit category code identifying your merchant type.

Time Zone -- (Default = Empty) (3-digits) -- Enter the Time Zone Code corresponding to your time zone.

Customer Service # -- Enter your business's 10-digit phone number. This phone number will appear on your customer's statement and will provide your customers with a way of contacting you.

Company Information

Enable Commercial Card Fields -- (Default = Checked) -- Uncheck this box if your company's account is not set up to accept commercial cards.

Process Visa Reversals -- (Default = Unchecked) Allows you to process reversals on Visa cards. If the pre-authorized amount of a transaction is more than the post-authorization, you can process a reversal on the transaction.

Enable Partial-Auth -- (Default = Unchecked) – Check this box if you wish to send a flag indicating the merchant will accept partial authorizations. If it is a pre-paid card and the transaction amount is greater than the Open To Buy amount on the card, RBS WorldPay will approve it and send back an Amount Due. If the same transaction is processed but the Partial Authorizations option is not enabled, RBS WordPay will decline the transaction.

This checkbox must be enabled in conjunction with the Enable FSA/HRA Cards option in order to allow for Partial Authorizations for FSA.

Note: The **Enable Partial-Auth** option must be checked in order to run Credit or Debit Balance Inquiries with RBS WorldPay, since this functionality is tied to the Partial Authorization functionality.

Express Pay

This section is not accessible unless **Retail** is selected as a **Business Type**.

Enable Express Pay -- (Default = Unchecked) -- If you have set up Express Pay with the processing company, check this box. If this box is checked and the amount of the transaction is less than the **Floor Limit** amount, **PC**Charge will not authorize the transaction---it will only place the transaction in the open batch. Express Pay is usually used in a quick service environment with small ticket items. **Note:** Using Express Pay will increase transaction processing costs.

Floor Limit -- (Default = $0.00) -- Allows you to set the floor limit when using Express Pay.

Batch Information

Primary -- (Default = Empty) -- Allows you to enter a primary settlement phone number. This phone number is used when closing your batch.

Secondary -- (Default = Empty) -- Allows you to enter a secondary settlement phone number. This phone number is used when closing your batch.

Terminal ID -- (Default = Empty) -- Allows you to enter the terminal identification number of your merchant account.

Batch # -- The batch number is the counter for the current batch. **PC**Charge automatically increments this value after every batch is settled. Do not alter this value unless directed by a Technical Support Representative.

Location #: -- (Default = 00001) -- Enter a Location Number. This value designates which site or location is processing the transactions.

Max Batch Size: -- (Default = 0, which is the same as 999) -- This allows you to specify the maximum number of transactions per batch that **PC**Charge will send to the processor. If your batch is greater than the number specified, **PC**Charge will split it into multiple batches, each containing (at most) the number of transactions specified. The batches are then sent to the processor one at a time.

Example: You have 250 transactions to settle and your **Max Batch Size:** is set to 100. **PC**Charge will send two 100-transaction batches and one 50-transaction batch.

Note: If you do not specify a value in the **Max Batch Size:** field, **PC**Charge will default to sending the maximum number of transactions per batch accepted by the processor. For a dial connection to RBS WorldPay, this is 999. For a TCP/IP connection to RBS WorldPay, this is 150.

The following information applies to those high-end users who settle batches consisting of 100 or more transactions. Individual transactions within the batch are transmitted with extra information that can rapidly consume available system memory and resources. For those RBS WorldPay users who settle a high volume of transactions, we recommend the following system memory specifications:

- to settle a batch of 100 or more transactions: 64 megabytes system memory
- to settle a batch of 500 or more transactions: 128 megabytes system memory
- to settle a batch of 1000 or more transactions: 256 megabytes system memory

Restaurant Information

This section is not accessible unless **Restaurant** is selected as a **Business Type**.

Require Server ID -- (Default = Unchecked) (2-digits) -- By checking this box, your employee would have to enter an identification code when entering the tip for a transaction.

FSA/HRA Information

Enable FSA/HRA Cards: -- (Default = Unchecked) -- When enabled, **PC**Charge will prompt for further information when a card with an FSA/HRA BIN range is processed. If enabled, an FSA checkbox will appear on the Credit Card Transaction Form so that the user can bypass BIN checking and force the transaction to be processed as an FSA/HRA transaction.

MVV/MAID: -- (Default = Empty) – Allows you to enter the Merchant Verification Value (MVV) used to determine the merchant's eligibility to participate in the Select Merchant Fee program. MVV is only for Visa cards. MAID is the MasterCard Assigned ID, which is the MasterCard equivalent of MVV. This is a 10 character alphanumeric field. The only valid values are 0-9 and A-F.

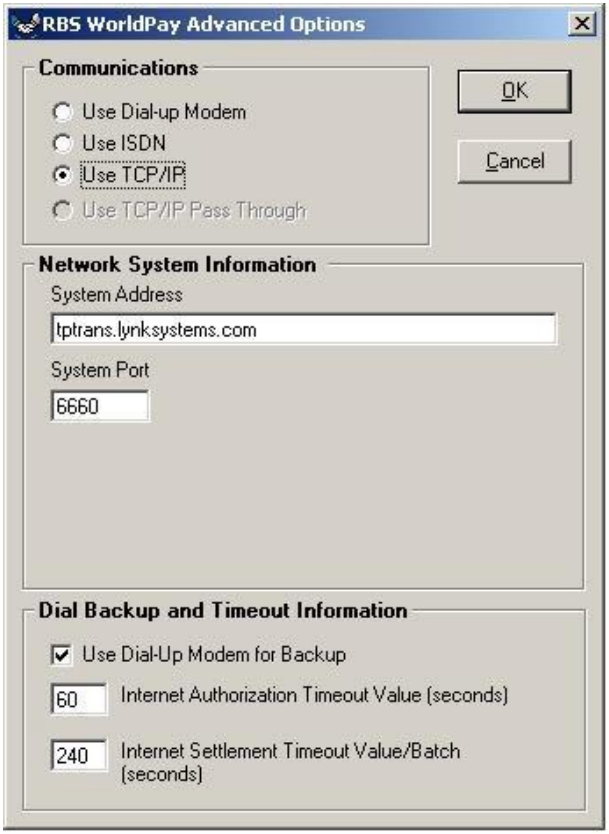
Cardholder Activated Terminal Type

Not implemented.

Advanced

Click this button to access the **RBS WorldPay Advanced Options** window.

RBS WorldPay Advanced Options



Communication

Use Dial-up Modem -- (Default = Selected) -- Select this option if your account is set up to connect to RBS WorldPay using your modem.

Use ISDN -- (Default = Unselected) -- Allows you to process transaction using an ISDN connection to RBS WorldPay made by a router on your network.

Use TCP/IP -- (Default = Unselected) -- Select this option if your account is set up to connect to RBS WorldPay via TCP/IP.

Use TCP/IP Pass Through -- (Default = Unselected) -- Not implemented.

Network System Information

System Address -- (As Shown) -- This is the RBS WorldPay gateway. Do not alter this value unless directed by a Technical Support Representative.

System Port -- (As Shown) -- Do not alter this information unless directed by a Technical Support Representative.

Dial Backup

Use Dial-up Modem for Backup -- (Default = Unchecked) -- By checking this box, **PC**Charge will attempt to connect to the processing company via dial-up modem if unable to establish a TCP/IP connection.

Internet Authorization Timeout Value -- (Default = 60) -- Set this value to the number of seconds you want **PC**Charge to wait for an authorization when connecting via TCP/IP. The backup dial-up modem is then used to establish a connection to this processing company.

Internet Settlement Timeout Value/Batch -- (Default = 240) -- Set this value to the number of seconds you want **PC**Charge to wait for a settlement when connecting via TCP/IP. The backup dial-up modem is then used to establish a connection to this processing company.

TSYS Acquiring Solutions (VISA)

TSYS Acquiring Solutions Notes

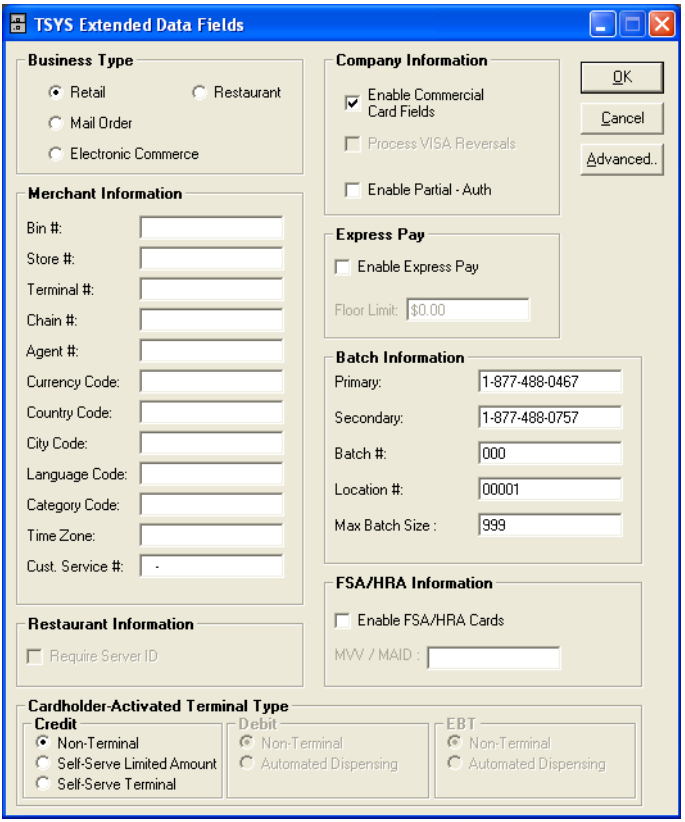
- TSYS Acquiring Solutions accounts are terminal based.
- TSYS Acquiring Solutions will provide you with a 12-digit Merchant Number. Use this as your **Credit Card Company Number** when setting up your account in **PC**Charge. Consult the section **Credit Card Company Setup** in your **PC**Charge User's Manual for more information.
- **PC**Charge can connect to TSYS Acquiring Solutions via a dial-up modem connection or an Internet connection.
  - Consult the section **Dial-up Modem Processing** in **About Communication Types** for more information on dial-up modem processing (see page 13).
  - Consult the section **Internet Processing** in **About Communication Types** for more information on TCP/IP processing (see page 14).
- If your network is protected by a firewall, you'll need to completely open port 5003 for outgoing and incoming data. This is the TCP/IP port used by the TSYS Acquiring Solutions gateway.
- **PC**Charge supports the Bill Pay program with this processor. During a transaction, you may click **Yes** when prompted to indicate if the transaction is a bill payment transaction. To learn how to enable this prompt, consult the section **Configure System** or **Preferences** in the **PC**Charge User's Manual.

!	**WARNING:** Make sure to determine (through TSYS Acquiring Solutions or your merchant service provider) which credit card types your account has been set up to process. If you use **PC**Charge to process a type of credit card (AMEX, Discover, MasterCard, Visa, etc.) that your TSYS Acquiring Solutions account has not been set up to process, your batch will fail to settle and you will not receive your funds.

TSYS Acquiring Solutions Contact Information

- **WWW** -- http://www.tsysacquiring.com/
- **Customer Service** -- (800) 847-2772

TSYS Acquiring Solutions Extended Data Fields



Business Type

Retail -- (Default = Selected) -- Select this option if TSYS Acquiring Solutions classifies your business as Retail (most of your business is done face to face with the customer).

Mail Order -- (Default = Unselected) -- Select this option if TSYS Acquiring Solutions classifies your business as MOTO (Mail Order/Telephone Order).

Electronic Commerce -- (Default = Unselected) -- Select this option if TSYS Acquiring Solutions classifies your business as e-Commerce.

Restaurant -- (Default = Unselected) -- Select this option if TSYS Acquiring Solutions classifies your business as a restaurant.

Merchant Information

You must complete all of the merchant information fields before you can process transactions. Your processing company or merchant service provider will provide you with most of this information.

Bin # -- (Default = Empty) (6-digits) -- Enter the 6-digit, non-zero, acquiring bank's identification number.

Store # -- (Default = Empty) (4-digits) -- Enter the 4 digit Store Number that identifies your merchant account.

Terminal # -- (Default = Empty) (4-digits) -- Enter your account's Terminal Number.

Chain # -- (Default = Empty) (6-digits) -- Enter your account's Chain Number.

Agent # -- (Default = Empty) (6-digits) -- Enter your account's Agent Number.

Currency Code -- (Default = 840) (3-digits) -- Enter the 3-digit code identifying the type of currency being used. 840 is the setting for U.S. dollars.

Country Code -- (Default = 840) (3-digits) -- Enter the 3 digit code identifying your country. The Country Code 840 represents the United States.

City Code -- (Default = Empty) -- Enter your zip code. Enter only the first five digits of the zip code.

Language Code -- (Default = 00) (2-digits) -- Enter the 3-digit code identifying your language. The default setting of " 00" is for U.S. English.

Category Code -- (Default = Empty) (4-digits) -- Enter the 4-digit category code identifying your merchant type. This is sometimes known as the **SIC** or the **MCC**.

Time Zone -- (Default = Empty) (3-digits) -- Enter the Time Zone Code corresponding to your time zone.

Time Zone	Eastern	Central	Mountain	Pacific	Arizona
Time Zone Code	705	706	707	708	107

Customer Service # -- Enter your business's 10-digit phone number. This phone number will appear on your customer's statement and will provide your customers with a way of contacting you.

Company Information

Enable Commercial Card Fields -- (Default = Checked) -- Uncheck this box if your company's account is not set up to accept commercial cards.

Process Visa Reversals -- (Default = Unchecked) Allows to process reversals on Visa cards. If the pre-authorized amount of a transaction is more than the post-authorization, you can process a reversal on the transaction.

Enable Partial-Auth -- (Default = Unchecked) – Check this box if you wish to send a flag indicating the merchant will accept partial authorizations. If it is a pre-paid card and the transaction amount is greater than the Open To Buy amount on the card, TSYS will

approve it and send back an Amount Due. If the same transaction is processed but the Partial Authorizations option is not enabled, TSYS will decline the transaction.

This checkbox must be enabled in conjunction with the Enable FSA/HRA Cards option in order to allow for Partial Authorizations for FSA.

Note: The Enable Partial-Auth option must be checked in order to run Credit or Debit Balance Inquiries with TSYS as this functionality is tied to the Partial Authorization functionality.

Express Pay

This section is not accessible unless **Retail** is selected as a **Business Type**.

Enable Express Pay -- (Default = Unchecked) -- If you have set up Express Pay with the processing company, check this box. If this box is checked and the amount of the transaction is less than the **Floor Limit** amount, **PC**Charge will not authorize the transaction---it will only place the transaction in the open batch. Express Pay is usually used in a quick service environment with small ticket items. **Note:** Using Express Pay will increase transaction processing costs.

Floor Limit -- (Default = $0.00) -- Allows you to set the floor limit when using Express Pay.

Batch Information

Primary -- (Default = Empty) -- Allows you to enter a primary settlement phone number. This phone number is used when closing your batch.

Secondary -- (Default = Empty) -- Allows you to enter a secondary settlement phone number. This phone number is used when closing your batch.

Terminal ID -- (Default = Empty) -- Allows you to enter the terminal identification number of your merchant account.

Batch # -- (Default = 001) -- The batch number is the counter for the current batch. **PC**Charge automatically increments this value after every batch is settled. Do not alter this value unless directed by a Technical Support Representative.

Location #: -- Enter a Location Number. This value designates which site or location is processing the transactions.

Max Batch Size: -- (Default = Empty) -- This allows you to specify the maximum number of transactions per batch that **PC**Charge will send to the processor. If your batch is greater than the number specified here, **PC**Charge will split it into multiple batches, each containing (at most) the number of transactions specified here. The batches are then sent to the processor one at a time.

Example: You have 250 transactions to settle and your **Max Batch Size:** is set to 100. **PC**Charge will send two 100-transaction batches and one 50-transaction batch.

Note: If you do not specify a value in the **Max Batch Size:** field, **PC**Charge will default to sending the maximum number of transactions per batch accepted by the processor. For a dial connection to TSYS Acquiring Solutions, this is 999. For a TCP/IP connection to TSYS Acquiring Solutions, this is 999.

The following information applies to those high-end users who settle batches consisting of 100 or more transactions. Individual transactions within the batch are transmitted with extra information that can rapidly consume available system memory and resources. For those TSYS Acquiring Solutions users who settle a high volume of transactions, we recommend the following system memory specifications:

- to settle a batch of 100 or more transactions: 64 megabytes system memory
- to settle a batch of 500 or more transactions: 128 megabytes system memory
- to settle a batch of 1000 or more transactions: 256 megabytes system memory

Restaurant Information

This section is not accessible unless **Restaurant** is selected as a **Business Type**.

Require Server ID -- (Default = Unchecked) (2-digits) -- By checking this box, your employee would have to enter an identification code when entering the tip for a transaction.

FSA/HRA Information

Enable FSA/HRA Cards: -- (Default = Unchecked) -- When enabled, **PC**Charge will prompt for further information when a card with an FSA/HRA BIN range is processed. If enabled, an FSA checkbox will appear on the Credit Card Transaction Form so that the user can bypass BIN checking and force the transaction to be processed as an FSA/HRA transaction.

Enable FSA/HRA Partial Auth: -- (This option is only accessible if **Enable FSA/HRA Cards** is selected) -- This allows for partial payment in cases where the amount available on the card is not enough to pay for the entire purchase of eligible items. If not enabled and the amount being authorized is greater than that available on the card, the transaction will be declined.

MVV/MAID: -- (Default = Empty) – Allows you to enter the Merchant Verification Value (MVV) used to determine the merchant's eligibility to participate in the Select Merchant Fee program. MVV is only for Visa cards. MAID is the MasterCard Assigned ID, which is the MasterCard equivalent of MVV. This is a 10 character alphanumeric field. The only valid values are 0-9 and A-F.

Cardholder Activated Terminal Type

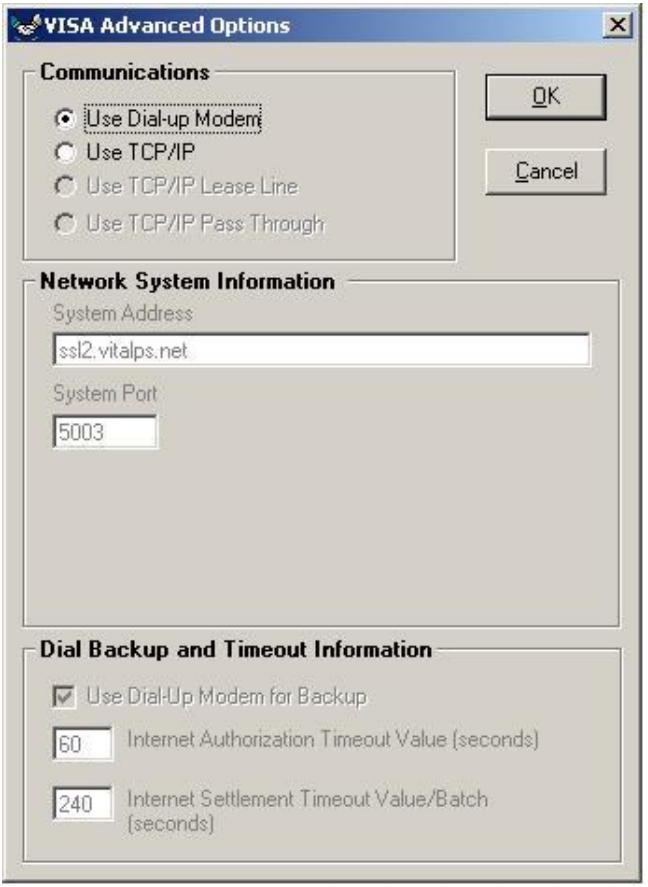
These options primarily apply to applications that are integrated with **PC**Charge. Most users should leave the default option checked (**Non-Terminal**). This section is not accessible unless **Retail** is selected as a **Business Type**.

- **Non-Terminal** -- (Default = Selected) -- Select this option if your account is not set up as a self-service terminal.
- **Self-Serve Limited Amount** -- (Default = Selected) -- Select this option if your account is set up as a self-service terminal and you have pre-established a transaction amount with this processing company.
- **Self-Serve Terminal** -- (Default = Selected) -- Select this option if your account is set up as a self-service terminal and you have not pre-established a transaction amount with this processing company.

Advanced

Click this button to access the **TSYS Advanced Options** window.

TSYS Acquiring Solutions Advanced Options



Communication

Use Dial-Up Modem -- (Default = Selected) -- Select this option if your account is set up to connect to TSYS Acquiring Solutions using your modem.

Use TCP/IP -- (Default = Unselected) -- Select this option if your account is set up to connect to the TSYS Acquiring Solutions gateway to process transactions via TCP/IP.

Use TCP/IP Lease Line -- (Default = Unselected) -- Not implemented.

Use TCP/IP Pass Through -- (Default = Unselected) -- Not implemented.

Network System Information

Note: This information is not accessible unless **Use TCP/IP** is enabled.

System Address -- (As Shown) -- This is the TSYS Acquiring Solutions gateway. Do not alter this value unless directed by a Technical Support Representative.

System Port -- (As Shown) -- This information will be provided to you by TSYS. Do not alter this value unless directed by a Technical Support Representative.

Dial Backup

Note: This information is not accessible unless **Use TCP/IP** is enabled.

Use Dial-Up Modem for Backup -- (Default = Unchecked) -- By checking this box, **PC**Charge will attempt to connect to the processing company if unable to establish a TCP/IP connection.

Internet Authorization Timeout Value -- (Default = 60) -- Set this value to the number of seconds you want **PC**Charge to wait for a TCP/IP authorization. The backup dial-up modem is then used.

Internet Settlement Timeout Value/Batch -- (Default = 240) -- Set this value to the number of seconds you want **PC**Charge to wait for a TCP/IP settlement. The backup dial-up modem is then used.

Appendix B -- Debit Card Processing Companies

Your processing company/vendor/merchant service provider should have provided to you most of the information on each company's **Extended Data Fields** window. Check the documentation you received upon setting up your debit card processing company merchant account.

Alliance Data Systems, Inc. (ADSI) Debit

ADSI Debit Notes

- ADSI debit accounts support DUKPT key management.
- **PC**Charge can connect to ADSI debit via a dial-up modem connection.
  - Consult the section **Dial-up Modem Processing** in **About Communication Types** for more information on dial-up modem processing (see page 13).

ADSI Debit Contact Information

- **WWW** -- http://www.alliancedatasystems.com
- **Customer Service** -- (972) 348-5100

ADSI Debit Extended Data Fields

No extended account information is required for accounts set up with this debit card processing company.

BAMS FACTS (NPC) Debit

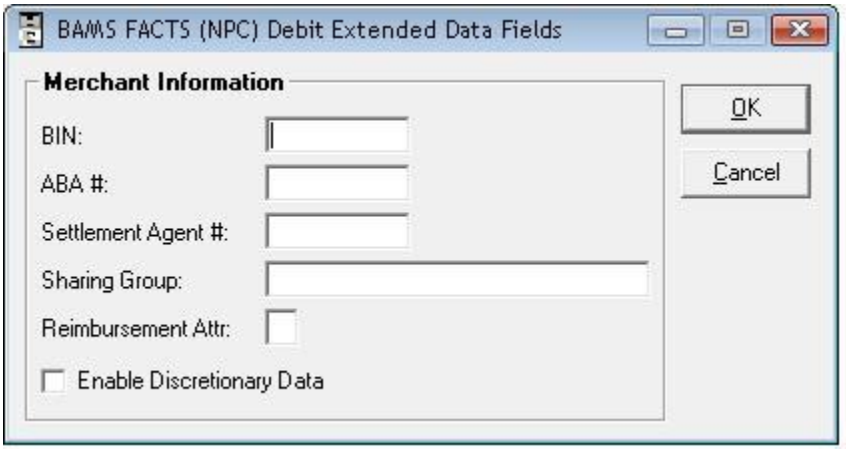
BAMS FACTS Debit Notes

- BAMS FACTS debit accounts support DUKPT key management.
- **PC**Charge can connect to BAMS FACTS debit via a dial-up modem connection or an Internet connection. **PC**Charge will connect to BAMS FACTS debit via the communications method you've specified for BAMS FACTS credit.
  - Consult the section **Dial-up Modem Processing** in **About Communication Types** for more information on dial-up modem processing (see page 13).
  - Consult the section **Internet Processing** in **About Communication Types** for more information on TCP/IP processing (see page 14).
- If your network is protected by a firewall, you'll need to completely open port 29506 for authorization and port 29516 for settlement. These are the TCP/IP ports used by the BAMS FACTS gateway.

BAMS FACTS Debit Contact Information

- **Customer Service** -- (800) 928-2583

BAMS FACTS Debit Extended Data Fields



Merchant Information

BIN: -- Enter your BIN in this field.

ABA #: -- Enter your ABA # in this field.

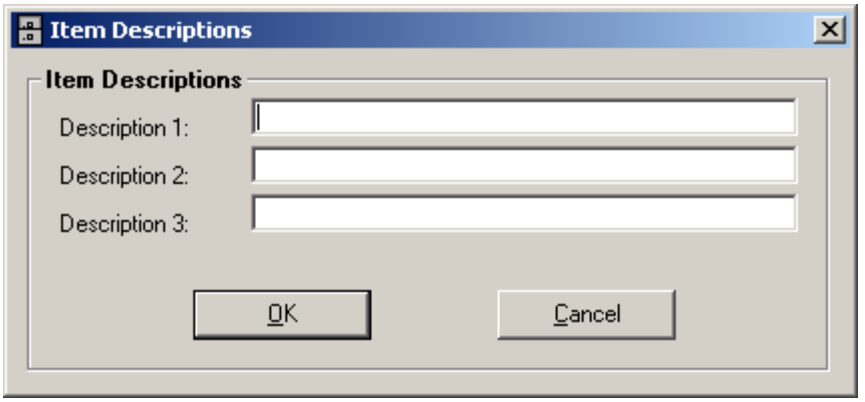
Settlement Agent #: -- Enter your Settlement Agent # in this field.

Sharing Group: -- Enter your Sharing Group in this field.

Reimbursement Attr: -- Enter your Reimbursement Attr. in this field.

Enable Discretionary Data -- (Default = Unchecked) – If you check this box, a form will load that allows you to enter additional descriptive data to be stored and sent at settlement.

When the Enable Discretionary Data checkbox is checked, the following form will load when processing a transaction. This form will allow the merchant to include any sort of data that they wish along with the transaction. The information entered into these fields is automatically displayed in all caps.



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FDMS Atlanta, Inc. (BPAS) Debit

FDMS Atlanta Debit Notes

- FDMS Atlanta debit accounts support DUKPT key management.
- **PC**Charge can connect to FDMS Atlanta debit via a dial-up modem connection or an Internet connection. **PC**Charge will connect to FDMS Atlanta debit via the communications method you've specified for FDMS Atlanta credit.
  - Consult the section **Dial-up Modem Processing** in **About Communication Types** for more information on dial-up modem processing (see page 13).
  - Consult the section **Internet Processing** in **About Communication Types** for more information on TCP/IP processing (see page 14).
- If your network is protected by a firewall, you'll need to completely open port 443 for outgoing and incoming data. This is the TCP/IP port used by the FDMS Atlanta gateway.
- Because the Internet connection to FDMS Atlanta is XML-based, it is necessary to install Microsoft's Internet Explorer version 6 or higher prior to setting up your FDMS Atlanta account. This will install the XML parser needed to communicate with FDMS Atlanta.

FDMS Atlanta Debit Contact Information

- **WWW** -- http://www.firstdata.com
- **Customer Service** -- (800) 733-3322, (800) 238-7675

FDMS Atlanta Debit Extended Data Fields

No extended account information is required for accounts set up with this debit card processing company.

FDMS North-Nash (FDNN) Debit

FDMS North-Nash Debit Notes

- FDMS North-Nash debit accounts support DUKPT key management.
- **PC**Charge can connect to FDMS North-Nash debit via a dial-up modem connection or an Internet connection. **PC**Charge will connect to FDMS North-Nash debit via the communications method you've specified for FDMS North-Nash credit.
  - Consult the section **Dial-up Modem Processing** in **About Communication Types** for more information on dial-up modem processing (see page 13).
  - Consult the section **Internet Processing** in **About Communication Types** for more information on TCP/IP processing (see page 14).
- If your network is protected by a firewall, you'll need to completely open port 443 for outgoing and incoming data. This is the TCP/IP port used by the FDMS North gateway.

FDMS North-Nash Debit Contact Information

- **WWW** -- http://www.fdms.com
- **Customer Service** -- (800) 346-3315

FDMS North-Nash Debit Extended Data Fields

No extended account information is required for accounts set up with this debit card processing company.

FDMS North / Cardnet (CES) Debit

FDMS North Debit Notes

- FDMS North debit accounts support DUKPT key management.
- **PC**Charge can connect to FDMS North debit via a dial-up modem connection or an Internet connection. **PC**Charge will connect to FDMS North debit via the communications method you've specified for FDMS North credit.
  - Consult the section **Dial-up Modem Processing** in **About Communication Types** for more information on dial-up modem processing (see page 13).
  - Consult the section **Internet Processing** in **About Communication Types** for more information on TCP/IP processing (see page 14).
- If your network is protected by a firewall, you'll need to completely open port 443 for outgoing and incoming data. This is the TCP/IP port used by the FDMS North gateway.

FDMS North Debit Contact Information

- **WWW** -- http://www.firstdata.com
- **Customer Service** -- (800) 346-3315

FDMS North Debit Extended Data Fields

No extended account information is required for accounts set up with this debit card processing company.

FDMS Omaha / FDR (FDC) Debit

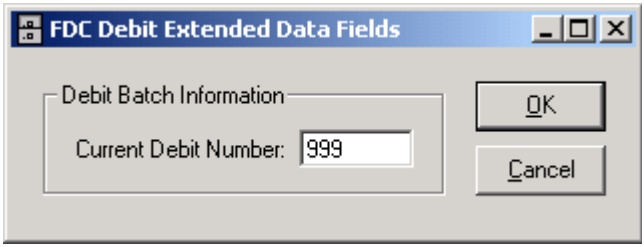
FDMS Omaha Debit Notes

- FDMS Omaha debit accounts support DUKPT key management.
- Merchants using FDMS Omaha Debit must be set up by their bank as ETC Type B only.
- **PC**Charge can connect to FDMS Omaha debit via a dial-up modem connection or a TCP/IP via Datawire connection.
- **PC**Charge will connect to FDMS Omaha debit via the communications method you've specified for FDMS Omaha credit.
  - Consult the section **Dial-up Modem Processing** in **About Communication Types** for more information on dial-up modem processing (see page 13).
  - Consult the section **Internet Processing** in **About Communication Types** for more information on TCP/IP processing (see page 14).
- If your network is protected by a firewall, you'll need to completely open port 443 for outgoing and incoming data. This is the TCP/IP port used by the FDMS Omaha gateway.

FDMS Omaha Debit Contact Information

- **WWW** -- http://www.firstdata.com
- **Customer Service** -- (800) 876-0026

FDMS Omaha Debit Extended Data Fields



Debit Batch Information

Last Transaction: -- This is the item number of the next debit transaction in the open batch. The debit number starts at 999 and decrements with each transaction. The number that you see in the box represents what the NEXT transaction number will be when you run that debit transaction. If the transaction completes, the number will automatically be decremented by one. The **Last Transaction** will be reset every time your batch is settled.

FDMS South / NaBanco (NB) Debit

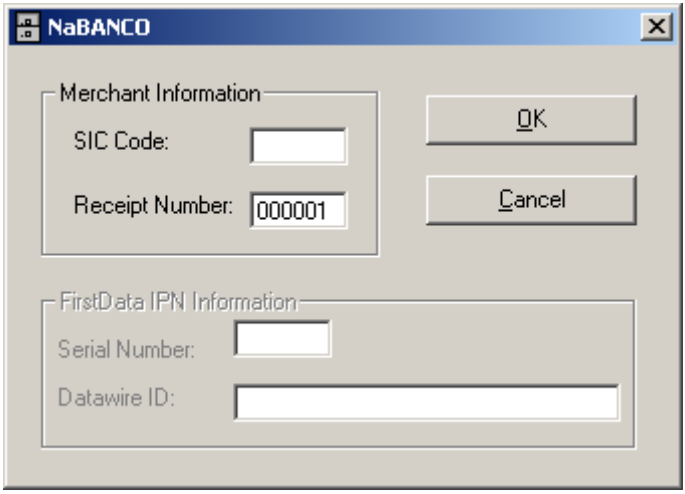
FDMS South Debit Notes

- FDMS South debit accounts support DUKPT key management.
- **PC**Charge can connect to FDMS South debit via a dial-up modem connection or a lease line connection.
  - Consult the section **Dial-up Modem Processing** in **About Communication Types** for more information on dial-up modem processing (see page 13).
  - Consult the section **Lease Line Processing** in **About Communication Types** for more information on lease line processing (see page 14).
- If your network is protected by a firewall, you'll need to completely open port 443 for outgoing and incoming data. This is the TCP/IP port used by the FDMS South gateway.

FDMS South Debit Contact Information

- **WWW** -- http://www.firstdata.com
- **Customer Service** -- (800) 732-9195

FDMS South Debit Extended Data Fields



Merchant Information

SIC Code: -- Enter your SIC Code in this field.

Receipt Number: -- Do not alter this value unless directed by a Technical Support Representative.

FirstData IPN Information

Note: This information is not accessible unless **FirstData IPN** is enabled in the **FDMS South / NaBanco (NB) Extended Data Fields**.

Serial Number -- (Default = Empty) (4-digits) -- Provided by FDMS South. Do not alter this value unless directed by a Technical Support Representative. This **Serial Number** is not the same as either **Serial Number:** value in the **FDMS South / NaBanco (NB) Extended Data Fields** window.

Datawire ID -- (Default = Empty) (Up to 32 alphanumeric characters) -- This information will be provided to you by FDMS South (AKA DID or Device ID). This **Datawire ID** is not the same as the **Datawire ID** used in the **FDMS South / NaBanco (NB) Extended Data Fields** window.

Fifth-Third Bank-St. Pete (BPS) Debit

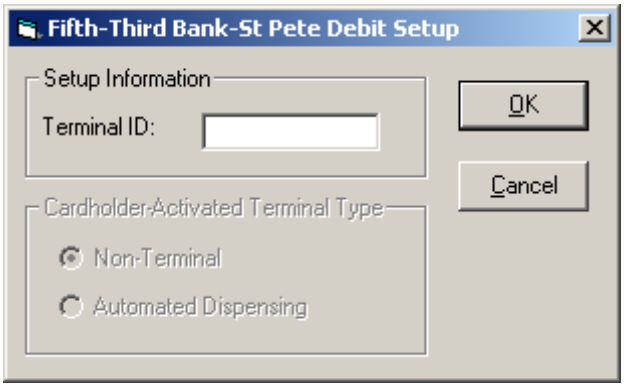
Fifth-Third Bank-St. Pete Debit Notes

- Fifth-Third Bank-St. Pete debit accounts support DUKPT key management.
- **PC**Charge can connect to Fifth-Third Bank-St. Pete debit via a dial-up modem connection.
  - Consult the section **Dial-up Modem Processing** in **About Communication Types** for more information on dial-up modem processing (see page 13).
- Restaurant transactions can be processed by Fifth-Third Bank-St. Pete debit. However, they will be treated as host based transactions (and so would require settlement). Gratuity transactions are not supported with Fifth-Third Bank-St. Pete debit.
- The **Terminal IDs** for your Fifth-Third Bank-St. Pete debit, EBT, and gift accounts can all be the same number. However, the **Terminal ID** for your Fifth-Third Bank-St. Pete credit account must be a different number (if your Fifth-Third Bank-St. Pete credit **Terminal Type** is set to **Terminal Capture**). If your Fifth-Third Bank-St. Pete credit **Terminal Type** is set to **Host Capture**, you can use the same **Terminal ID** for all your Fifth-Third Bank-St. Pete accounts.

Fifth-Third Bank-St. Pete Debit Contact Information

- **WWW** -- http://www.53.com
- **Customer Service** -- (877) 744-5300

Fifth-Third Bank-St. Pete Debit Extended Data Fields



Setup Information

Terminal ID: -- (Default Value = Empty) (3-digits) -- Allows you to enter your Terminal Identification Number.

Cardholder Activated Terminal Type

These options primarily apply to applications that are integrated with **PC**Charge. Most users should leave the default option checked (**Non-Terminal**). This section is not accessible unless **Retail** is selected as a **Business Type** for your Fifth-Third Bank-St. Pete credit account.

Non-Terminal: -- (Default Value = Selected) -- Select this option if your account is not set up as a self-service terminal.

Terminal ID: -- (Default Value = Unselected) -- Select this option if your account is set up as a self-service terminal.

Global Payments East (NDC) Debit

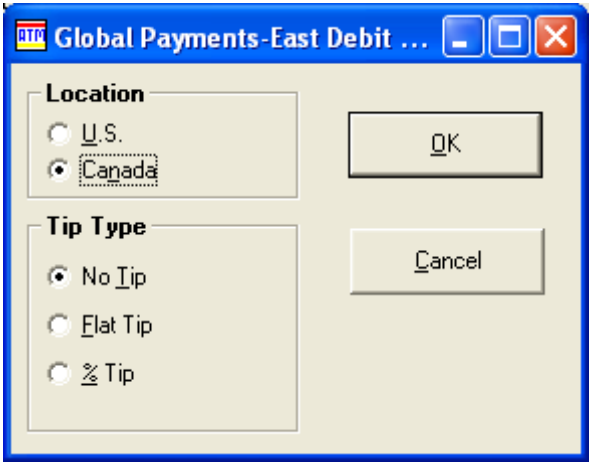
Global Payments East Debit Notes

- Global Payments East debit accounts support MAC key management.
- **PC**Charge can connect to Global Payments East debit via a dial-up modem connection or an Internet connection. **PC**Charge will connect to Global Payments East debit via the communications method you've specified for Global Payments East credit.
  - Consult the section **Dial-up Modem Processing** in **About Communication Types** for more information on dial-up modem processing (see page 13).
  - Consult the section **Internet Processing** in **About Communication Types** for more information on TCP/IP processing (see page 14).
- If your network is protected by a firewall, you'll need to completely open port 443 for outgoing and incoming data. This is the TCP/IP port used by the Global Payments East gateway.

Global Payments East Debit Contact Information

- **WWW** -- http://www.globalpaymentsinc.com
- **Customer Service** -- (800) 367-2638

Global Payments East Debit Extended Data Fields



Location

U.S. -- (Default = Unselected) -- Select this option if Global Payments East has set up your account to process transactions from a location in the United States.

Canada -- (Default = Selected) -- Select this option if Global Payments East has set up your account to process transactions from a location in Canada.

Tip Type

No Tip -- (Default = Selected) -- Select this option if you do not want to allow the customer to enter a tip amount into the PIN pad at the time of the sale.

Flat Tip -- (Default = Unselected) -- Select this option if you want to allow the customer to enter a tip amount into the PIN pad at the time of the sale.

% Tip -- (Default = Unselected) -- If you select this option, a field will appear. If you enter a percentage into this field, the PIN pad will suggest this percent of the transaction as the tip amount at the time of the sale.

Allow Duplicate Transactions -- (Default = Unchecked) -- This option is a safety feature. When checked, only one transaction for a certain amount can be processed on a particular debit card number per day. This does not mean that you can't process other transactions. It just prevents accidental duplicate transactions.

Processing Canadian Debit Transactions Through Global

Global supports the Canadian debit network – Interac. Merchants MUST use the VeriFone SC 5000 PIN pad in order to process Canadian debit transactions.

Note: If using the **VeriFone SC 5000 (MAC) PIN pad** (aka **PC**Charge Performer) to process Canadian debit transactions through Global Payments (NDC): should a timeout occur during transaction processing, the device will automatically re-initialize. Merchants will not be able to access the **PC**Charge menu items, transaction tabs, or other tender type options during this re-initialization period.

Sale -- A Sale reduces the cardholder's debit account by the amount of the transaction plus any Tip, Cash Back or Surcharge amounts that may have been applied to the transaction.

Return -- Interac only allows returns to offset a purchase; returns by themselves are not allowed.

Online Void Sale/Online Void Return -- Online voids require a card swipe before the merchant will be able to select the appropriate transactions from the Process or View List. Once selected, the cardholder will then be prompted for PIN in order to complete the transaction. These are true voids and the cardholder will not be charged.

Language Selection -- Track data sent to the PIN pad will determine language on the PIN pad and whether the receipt will print in English or in French.

Heartland (HPTS) Debit

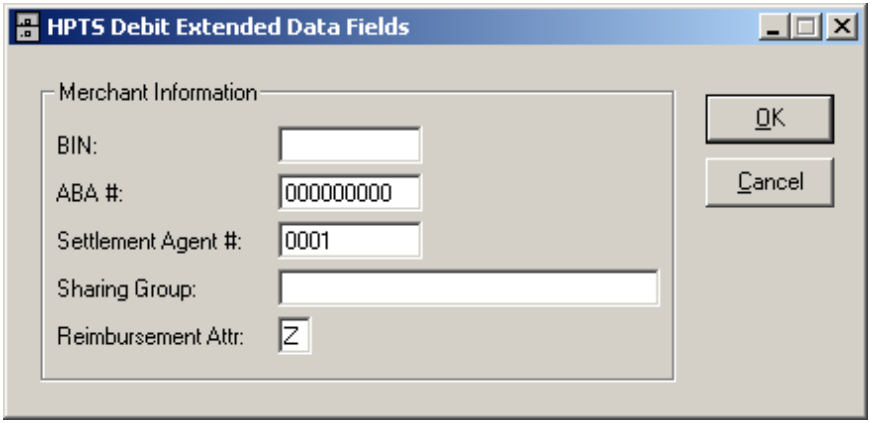
HPTS Debit Notes

- HPTS debit accounts support DUKPT key management.
- **PC**Charge can connect to HPTS debit via a dial-up modem connection.
  - Consult the section **Dial-up Modem Processing** in **About Communication Types** for more information on dial-up modem processing (see page 13).

HPTS Debit Contact Information

- **WWW** -- http://www.heartlandpaymentsystems.com
- **Customer Service** -- (888) 963-3600

HPTS Debit Extended Data Fields



Merchant Information

BIN: -- Enter your BIN in this field.

ABA #: -- Enter your ABA # in this field.

Settlement Agent #: -- Enter your Settlement Agent # in this field.

Sharing Group: -- Enter your Sharing Group in this field.

Reimbursement Attr: -- Enter your Reimbursement Attr. in this field.

National Bankcard Services (NBS) Debit

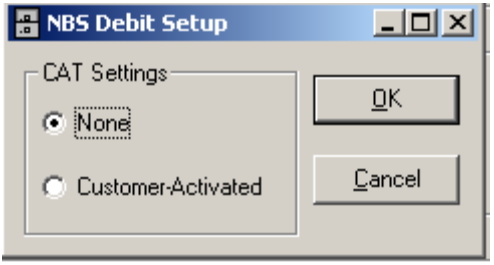
National Bankcard Services Debit Notes

- NBS debit accounts support DUKPT key management.
- **PC**Charge can connect to NBS debit via a dial-up modem connection or a TCP/IP via Datawire connection. **PC**Charge will connect to NBS debit via the communications method you've specified for NBS credit.
  - Consult the section **Dial-up Modem Processing** in **About Communication Types** for more information on dial-up modem processing (see page 13).
  - Consult the section **Internet Processing** in **About Communication Types** for more information on TCP/IP processing (see page 14).
- If your network is protected by a firewall, you'll need to completely open port 443 for outgoing and incoming data. This is the TCP/IP port used by the NBS gateway.

National Bankcard Services Contact Information

- **WWW** – http://www.nbs-inc.com
- **Customer Service** -- (800) 827-4634

NBS Debit Extended Data Fields



CAT Settings

None -- (Default = Selected)

Customer-Activated -- (Default = Unselected) -- -- Select this option if this is a self-service terminal.

Elavon (NOVA) Debit

Elavon Debit Notes

- Elavon debit accounts support both Master Session and DUKPT key management.
- **PC**Charge can connect to Elavon debit via a dial-up modem connection or an Internet connection. **PC**Charge will connect to Elavon debit via the communications method you've specified for Elavon credit.
  - Consult the section **Dial-up Modem Processing** in **About Communication Types** for more information on dial-up modem processing (see page 13).
  - Consult the section **Internet Processing** in **About Communication Types** for more information on TCP/IP processing (see page 14).
- If your network is protected by a firewall, you'll need to completely open port 8100 for outgoing and incoming data. This is the TCP/IP port used by the Elavon gateway.

Elavon Contact Information

- **WWW** -- http://www.elavon.com
- **Customer Service** -- (800) 725-1243

Elavon Debit Extended Data Fields

Pinpad Encryption Type

Triple DES Dukpt -- (Default = Unselected) -- Select this option if your PINpad uses DUKPT key management.

Master Session -- (Default = Selected) -- Select this option if your PINpad uses Master Session key management. Please note that Elavon's support for Master Session is transition only, and merchants should begin migrating to DUKPT. Contact your Elavon representative for more details.

Paymentech (GSAR) Debit

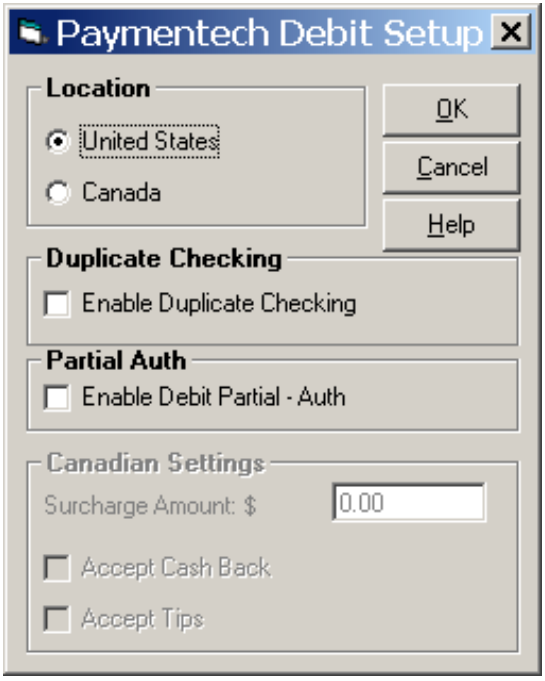
Paymentech Debit Notes

- Paymentech debit accounts support DUKPT (U.S.) and MAC (Canada) key management.
- **PC**Charge can connect to Paymentech debit via a dial-up modem connection or an Internet connection. **PC**Charge will connect to Paymentech debit via the communications method you've specified for Paymentech credit.
  - Consult the section **Dial-up Modem Processing** in **About Communication Types** for more information on dial-up modem processing (see page 13).
  - Consult the section **Internet Processing** in **About Communication Types** for more information on TCP/IP processing (see page 14).
- If your network is protected by a firewall, you'll need to completely open port 443 for outgoing and incoming data. This is the TCP/IP port used by the Paymentech gateway.

Paymentech Debit Contact Information

- **WWW** -- http://www.chasepaymentech.com
- **Customer Service** -- (800) 254-9556

Paymentech Debit Extended Data Fields



Location

United States: -- (Default = Selected) -- Select this option if Paymentech has set up your account to process transactions from a location in the United States.

Canada: -- (Default = Unselected) -- Select this option if Paymentech has set up your account to process transactions from a location in Canada.

Duplicate Checking

This section is not accessible unless **United States** is selected as **Location**.

Enable Duplicate Checking: -- (Default = Unchecked) -- Enabling this will activate duplicate checking on Paymentech's end. If Paymentech approves a transaction and **PC**Charge does not receive that approval, **PC**Charge will reattempt the transaction. If **Enable Duplicate Checking** has been activated, Paymentech will not approve the second transaction. Instead, Paymentech will simply return the authorization information from the first approval.

Partial Auth

Enable Debit Partial-Auth: -- (Default = Unchecked) -- Enabling this will activate debit partial authorizations.

Canadian Settings

This section is not accessible unless **Canada** is selected as **Location**.

Surcharge Amount: -- (Default = 0.00) -- Input the surcharge amount to be assigned to Canadian debit transactions. The cardholder is prompted through the SC 5000 or V^{x} 810 PIN pad to accept the Surcharge amount.

Accept Cash Back: -- (Default = Unchecked) – Enabling this will allow the cardholder to enter a Cash Back amount into the SC 5000 or V^{x} 810 PIN pad.

Accept Tips: -- (Default = Unchecked) – Enabling this will allow the cardholder to enter a Tip amount into the SC 5000 or V^{x} 810 PIN pad (Retail or Restaurant).

Processing Canadian Debit Transactions Through Paymentech

Paymentech supports the Canadian debit network – Interac. Merchants MUST use either the VeriFone SC 5000 (MAC) PIN pad or the VeriFone V^x 810 (MAC) PIN pad in order to process Canadian debit transactions.

Note: If using the **VeriFone SC 5000 (MAC) PIN pad** (aka **PC**Charge Performer) to process Canadian debit transactions through Paymentech (GSAR): should a timeout occur during transaction processing, the device will automatically re-initialize. Merchants will not be able to access the **PC**Charge menu items, transaction tabs, or other tender type options during this re-initialization period.

Surcharge Amount -- Interac allows surcharging at the point of sale terminal device. The amount of the Surcharge may be defined within the Extended setup or directly on the Sale transaction form. The cardholder must accept the surcharge fee, as prompted through the PIN pad device, to continue processing the transaction. The Surcharge amount is not included in the transaction amount.

Sale -- A Sale reduces the cardholder's debit account by the amount of the transaction plus any Tip, Cash Back or Surcharge amounts that may have been applied to the transaction.

Return -- Interac only allows returns to offset a purchase; returns by themselves are not allowed.

Online Void Sale/Online Void Return -- Online voids require a card swipe before the merchant will be able to select the appropriate transactions from the Process or View List list. Once selected, the cardholder will then be prompted for PIN in order to complete the transaction. These are true voids and the cardholder will not be charged.

Language Selection -- Track data sent to the PIN pad will determine language on the PIN pad and whether the receipt will print in English or in French.

RBS WorldPay (LYNK) Debit

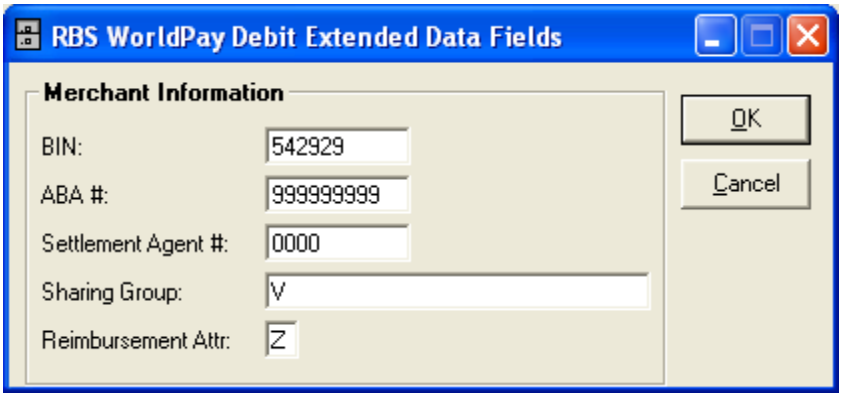
RBS WorldPay Debit Notes

- RBS WorldPay debit accounts support DUKPT key management.
- **PC**Charge can connect to RBS WorldPay debit via a dial-up modem connection. **PC**Charge will connect to RBS WorldPay debit via the communications method you've specified for RBS WorldPay credit.
  - Consult the section **Dial-up Modem Processing** in **About Communication Types** for more information on dial-up modem processing (see page 13).
  - Consult the section **Internet Processing** in **About Communication Types** for more information on TCP/IP processing (see page 14).
  - Consult the section **ISDN Processing** in **About Communication Types** for more information on TCP/IP processing (see page 15).

RBS WorldPay Debit Contact Information

- **WWW** -- http://www.rbsworldpay.com
- **Customer Service** -- (800) 859-5965

RBS WorldPay Debit Extended Data Fields



Merchant Information

BIN: -- Enter your BIN in this field.

ABA #: -- Enter your ABA # in this field.

Settlement Agent #: -- Enter your Settlement Agent # in this field.

Sharing Group: -- Enter your Sharing Group in this field.

Reimbursement Attr: -- Enter your Reimbursement Attr. in this field.

TSYS Acquiring Solutions (VISA) Debit

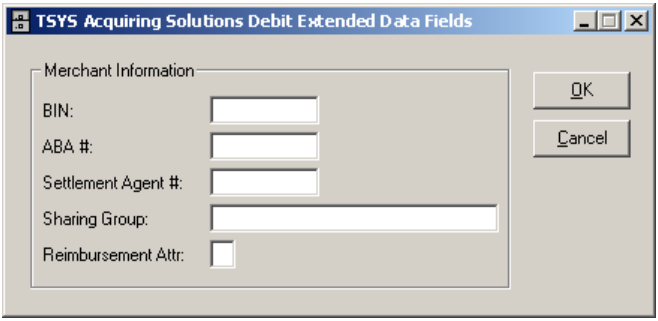
TSYS Acquiring Solutions Debit Notes

- TSYS Acquiring Solutions debit accounts support DUKPT key management.
- **PC**Charge can connect to TSYS Acquiring Solutions debit via a dial-up modem connection or an Internet connection. **PC**Charge will connect to TSYS Acquiring Solutions debit via the communications method you've specified for TSYS Acquiring Solutions credit.
  - Consult the section **Dial-up Modem Processing** in **About Communication Types** for more information on dial-up modem processing (see page 13).
  - Consult the section **Internet Processing** in **About Communication Types** for more information on TCP/IP processing (see page 14).
- If your network is protected by a firewall, you'll need to completely open port 5003 for outgoing and incoming data. This is the TCP/IP port used by the TSYS Acquiring Solutions gateway.

TSYS Acquiring Solutions Debit Contact Information

- **WWW** -- http://www.tsysacquiring.com/
- **Customer Service** -- (800) 847-2772

TSYS Acquiring Solutions Debit Extended Data Fields



Merchant Information

BIN: -- Enter your BIN in this field.

ABA #: -- Enter your ABA # in this field.

Settlement Agent #: -- Enter your Settlement Agent # in this field.

Sharing Group: -- Enter your Sharing Group in this field.

Reimbursement Attr: -- Enter your Reimbursement Attr. in this field.

Appendix C -- Check Services Companies

Your processing company/vendor/merchant service provider should have provided you with most of the information on each company's Extended Data Fields window. Check the documentation you received upon setting up your check services company merchant account.

Alliance Data Systems, Inc. (ADSI) Check

ADSI Check Notes

- **PC**Charge can connect to ADSI via a dial-up modem connection.
  - Consult the section **Dial-up Modem Processing** in **About Communication Types** for more information on dial-up modem processing (see page 13).

ADSI Check Contact Information

- **WWW** -- http://www.alliancedatasystems.com
- **Customer Service** -- (972) 348-5100

ADSI Check Extended Data Fields

No extended account information is required for accounts set up with this check services company.

ArJay/SCAN Data Corporation (ARJ) Check

ARJ Check Notes

- **PC**Charge can connect to ARJ via a dial-up modem connection.
  - Consult the section **Dial-up Modem Processing** in **About Communication Types** for more information on dial-up modem processing (see page 13).

ARJ Check Contact Information

- **WWW** -- http://www.arjaydata.com
- **Customer Service** -- (800) 296-0170

ARJ Check Extended Data Fields

No extended account information is required for accounts set up with this check services company.

Certegy (EFAX) Check

Certegy Check Notes

- **PC**Charge can connect to Certegy via a dial-up modem connection.
  - Consult the section **Dial-up Modem Processing** in **About Communication Types** for more information on dial-up modem processing (see page 13).

Certegy Check Contact Information

- **WWW** -- http://www.certegy.com
- **Customer Service** -- (800) 633-9454

Certegy Check Extended Data Fields

No extended account information is required for accounts set up with this check services company.

Check Services powered by RMRS (EZCK) Check

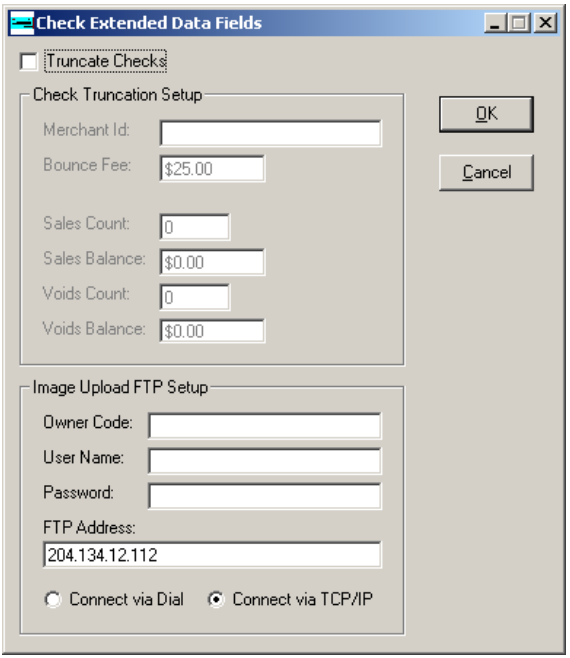
Check Services powered by RMRS Check Notes

- **PC**Charge can connect to Check Services powered by RMRS via a dial-up modem connection.
  - Consult the section **Dial-up Modem Processing** in **About Communication Types** for more information on dial-up modem processing (see page 13).
- This processor allows you to upload scanned check images (captured using either the RDM EC5002i or eN-Check 2600 check reader). After you've set up the extended data fields shown below, you can transmit check images using **PC**Charge. Consult the section **Upload Scanned Images** in your **PC**Charge User's Manual for instructions.

Check Services powered by RMRS Check Contact Information

- **WWW** -- http://www.ezchk.com
- **Customer Service** -- (800) 797-5302

Check Services powered by RMRS Check Extended Data Fields



Truncate Checks -- (Default = Unchecked) -- Allows you to turn on or off check truncation with Check Services powered by RMRS.

Check Truncation Setup

Note: This information is not accessible unless **Truncate Checks** is checked.

Merchant ID -- Enter your Merchant ID for check processing.

Bounce Fee -- (Default = Empty) -- Allows you to enter the bounce fee for check processing.

Sales Count -- (Default = Empty) -- Shows the number of sales in a given period.

Sales Balance -- (Default = Empty) -- Shows the total monetary value of sales.

Voids Count -- (Default = Empty) -- Shows the number of voids in a given period.

Voids Balance -- (Default = Empty) -- Shows the total monetary value of voids.

Image Upload FTP Setup

Owner Code -- (Default = Empty) -- Enter your 16-digit identifier into this field. Check Services powered by RMRS or your merchant service provider will assign this code to you.

FTP User -- (Default = Empty) -- Enter your FTP user name into this field. This user name (in combination with the password) will allow **PC**Charge to transmit check images to Check Services powered by RMRS. Check Services powered by RMRS or your merchant service provider will assign this number to you.

FTP Password -- (Default = Empty) -- Enter your FTP password into this field. This password (in combination with the user name) will allow **PC**Charge to transmit check images to Check Services powered by RMRS. Check Services powered by RMRS or your merchant service provider will assign this number to you.

FTP Address -- (Default = 204.134.12.112) -- Enter the FTP address provided to you by Check Services powered by RMRS or your merchant service provider.

Connect via Dial -- (Default = Unselected) -- Select this option if you want to connect to Check Services powered by RMRS via a dial-up connection.

Connect via TCP/IP -- (Default = Selected) -- Enter the FTP address provided to you by Check Services powered by RMRS or your merchant service provider.

CrossCheck (CRCK) Check

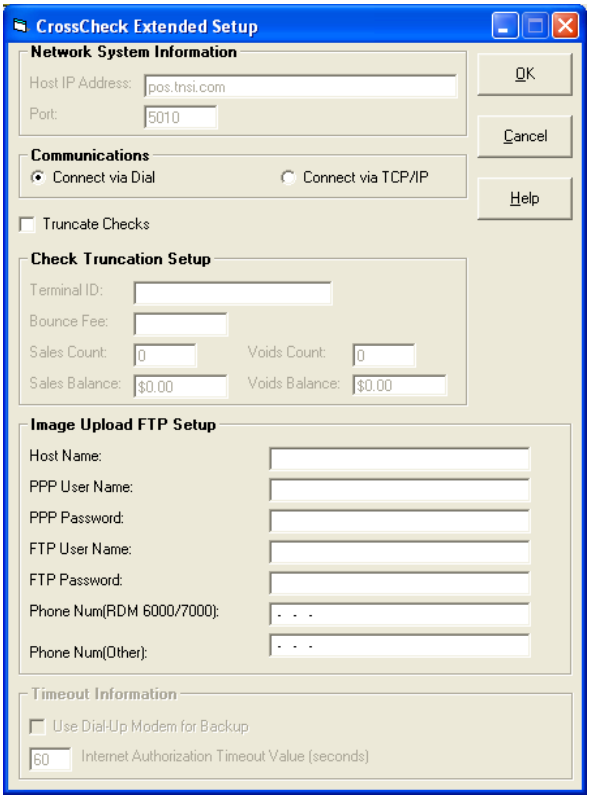
CRCK Check Notes

- **PC**Charge can connect to CRCK via a dial-up modem connection or an Internet connection.
  - Consult the section **Dial-up Modem Processing** in **About Communication Types** for more information on dial-up modem processing (see page 13).
  - Consult the section **Internet Processing** in **About Communication Types** for more information on TCP/IP processing (see page 14).

CRCK Check Contact Information

- **WWW** -- http://www.cross-check.com
- **Customer Service** -- (800) 552-1900

CRCK Extended Data Fields



Network System Information

Note: This information is not accessible unless **Truncate Checks** is checked.

Host IP Address -- (Default = As Shown) -- This is the CRCK gateway. Do not alter this value unless directed by a Technical Support Representative.

Port -- (Default = As Shown) -- Do not alter this value unless directed by a Technical Support Representative.

Truncate Checks -- (Default = Unchecked) -- Allows you to turn on or off check truncation with CRCK.

Communication

Connect via Dial -- (Default = Selected) -- Select this option if your account is set up to connect to CRCK using your modem.

Connect via TCP/IP -- (Default = Unselected) -- Select this option if your account is set up to connect to the CRCK gateway to process transactions via TCP/IP.

Truncate Checks -- (Default = Unchecked) -- Allows you to turn on or off check truncation with CRCK.

Check Truncation Setup

Note: This information is not accessible unless **Truncate Checks** is checked.

Terminal ID -- Enter your Terminal ID for check processing.

Bounce Fee -- (Default = Empty) -- Allows you to enter the bounce fee for check processing.

Sales Count -- (Default = Empty) -- Shows the number of sales in a given period.

Sales Balance -- (Default = Empty) -- Shows the total monetary value of sales.

Voids Count -- (Default = Empty) -- Shows the number of voids in a given period.

Voids Balance -- (Default = Empty) -- Shows the total monetary value of voids.

Image Upload FTP Setup

PPP User Name -- (Default = Empty) -- Enter your 16-digit identifier into this field. CRCK or your merchant service provider will assign this code to you.

FTP User -- (Default = Empty) -- Enter your FTP user name into this field. This user name (in combination with the password) will allow **PC**Charge to transmit check images to CRCK. CRCK or your merchant service provider will assign this number to you.

FTP Password -- (Default = Empty) -- Enter your FTP password into this field. This password (in combination with the user name) will allow **PC**Charge to transmit check images to CRCK. CRCK or your merchant service provider will assign this number to you.

FTP Address -- (Default = Empty) -- Enter the FTP address provided to you by CRCK or your merchant service provider.

Connect via Dial -- (Default = Unselected) -- Select this option if you want to connect to CRCK via a dial-up connection.

Connect via TCP/IP -- (Default = Selected) -- Enter the FTP address provided to you by CRCK or your merchant service provider.

Timeout Information

Note: This information is not accessible unless **Connect via TCP/IP** is enabled.

Use Dial-up Modem for Backup -- (Default = Unchecked) -- By checking this box, **PC**Charge will attempt to connect to the processing company if unable to establish a TCP/IP connection.

Internet Authorization Timeout Value -- (Default = 60) -- Set this value to the number of seconds you want **PC**Charge to wait for TCP/IP authorization from the processing company before timing out. The backup dial-up modem you've selected will then be used to connect.

FDMS North / CardNet (CES) Check

FDMS North Check Notes

- **PC**Charge can connect to FDMS North via a dial-up modem connection or an Internet connection. **PC**Charge will connect to FDMS North check via the communications method you've specified for FDMS North credit.
  - Consult the section **Dial-up Modem Processing** in **About Communication Types** for more information on dial-up modem processing (see page 13).
  - Consult the section **Internet Processing** in **About Communication Types** for more information on TCP/IP processing (see page 14).
- If your network is protected by a firewall, you'll need to completely open port 443 for outgoing and incoming data. This is the TCP/IP port used by the FDMS North gateway.

FDMS North Check Contact Information

- **WWW** -- http://www.fdms.com
- **Customer Service** -- (800) 346-3315

FDMS North Check Extended Data Fields

No extended account information is required for accounts set up with this check services company.

National Check Network (RMRS) Check

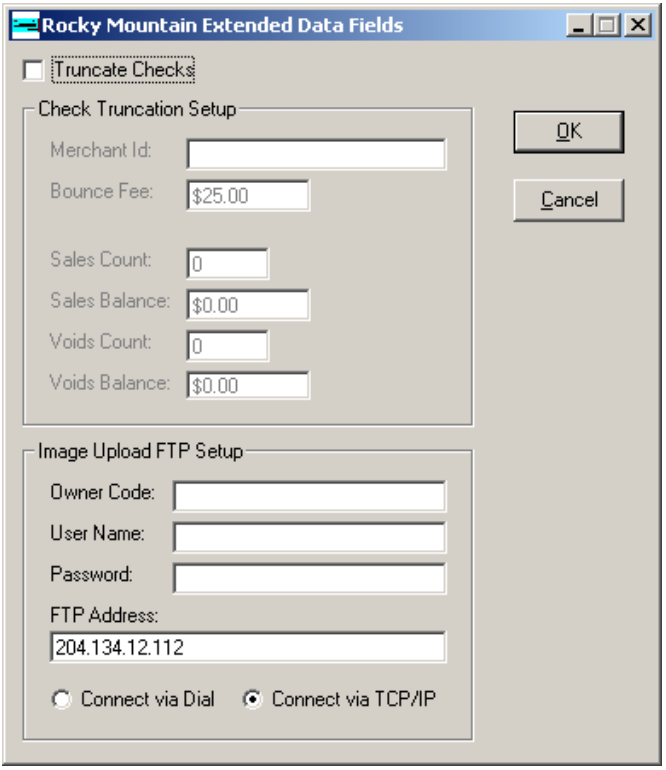
National Check Network Check Notes

- **PC**Charge can connect to National Check Network via a dial-up modem connection.
  - Consult the section **Dial-up Modem Processing** in **About Communication Types** for more information on dial-up modem processing (see page 13).
- This processor allows you to upload scanned check images (captured using either the RDM EC5002i or eN-Check 2600 check reader). After you've set up the extended data fields shown below, you can transmit check images using **PC**Charge. Consult the section **Upload Scanned Images** in your **PC**Charge User's Manual for instructions.

National Check Network Check Contact Information

- **WWW** -- http://www.nationalchecknetwork.net
- **Customer Service** -- (800) 280-7677

National Check Network Check Extended Data Fields



Truncate Checks -- (Default = Unchecked) -- Allows you to turn on or off check truncation with National Check Network.

Check Truncation Setup

Merchant ID -- Enter your Merchant ID for check processing.

Bounce Fee -- (Default = $25.00) -- Allows you to enter the bounce fee for check processing.

Sales Count -- (Default = 0) -- Shows the number of sales in a given period.

Sales Balance -- (Default = $0.00) -- Shows the total monetary value of sales.

Voids Count -- (Default = 0) -- Shows the number of voids in a given period.

Voids Balance -- (Default = $0.00) -- Shows the total monetary value of voids in a given period.

Image Upload FTP Setup

Owner Code -- (Default = Empty) -- Enter your 16-digit identifier into this field. National Check Network or your merchant service provider will assign this code to you.

FTP User -- (Default = Empty) -- Enter your FTP user name into this field. This user name (in combination with the password) will allow **PC**Charge to transmit check images to National Check Network. National Check Network or your merchant service provider will assign this number to you.

FTP Password -- (Default = Empty) -- Enter your FTP password into this field. This password (in combination with the user name) will allow **PC**Charge to transmit check images to National Check Network. National Check Network or your merchant service provider will assign this number to you.

FTP Address -- (Default = 204.134.12.112) -- Enter the FTP address provided to you by National Check Network or your merchant service provider.

Connect via Dial -- (Default = Unselected) -- Select this option if you want to connect to National Check Network via a dial-up connection.

Connect via TCP/IP -- (Default = Selected) -- Enter the FTP address provided to you by National Check Network or your merchant service provider.

Elavon Check Services (NOVA) Check

Elavon Check Notes

- **PC**Charge can connect to Elavon via a dial-up modem connection or an Internet connection. **PC**Charge will connect to Elavon check via the communications method you've specified for Elavon credit.
  - Consult the section **Dial-up Modem Processing** in **About Communication Types** for more information on dial-up modem processing (see page 13).
  - Consult the section **Internet Processing** in **About Communication Types** for more information on TCP/IP processing (see page 14).
- If your network is protected by a firewall, you'll need to completely open port 443 for outgoing and incoming data. This is the TCP/IP port used by the Elavon gateway.

Elavon Check Contact Information

- **WWW** -- http://www.elavon.com
- **Customer Service** -- (800) 725-1243

Elavon Check Extended Data Fields

No extended account information is required for accounts set up with this check services company.

Paymentech Check Services (GSAR) Check

Paymentech Check Services Notes

- **PC**Charge can connect to Paymentech Check Services via a dial-up modem connection or a TCP/IP (Internet) connection. **PC**Charge will connect to Paymentech Check Services via the communications method you've specified for Paymentech credit.
  - Consult the section **Dial-up Modem Processing** in **About Communication Types** for more information on dial-up modem processing (see page 13).
  - Consult the section **Internet Processing** in **About Communication Types** for more information on TCP/IP processing (see page 14).
- If your network is protected by a firewall, you'll need to completely open port 443 for outgoing and incoming data. This is the TCP/IP port used by the Paymentech Check Services gateway.

Paymentech Check Services Contact Information

- **WWW** -- http://www.chasepaymentech.com
- **Customer Service** -- (800) 254-9556

Paymentech Check Services Extended Data Fields

No extended account information is required for accounts set up with this check services company.

Secure Payment Systems (SPS) Check

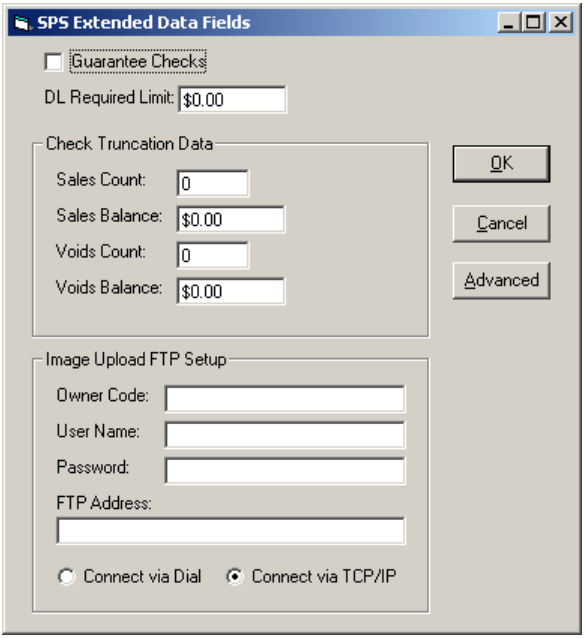
SPS Check Notes

- **PC**Charge can connect to SPS via a dial-up modem connection or a TCP/IP (Internet) connection.
  - Consult the section **Dial-up Modem Processing** in **About Communication Types** for more information on dial-up modem processing (see page 13).
  - Consult the section **Internet Processing** in **About Communication Types** for more information on TCP/IP processing (see page 14).
- If your network is protected by a firewall, you'll need to completely open port 443 for outgoing and incoming data. This is the TCP/IP port used by the SPS gateway.
- This processor allows you to upload scanned check images (captured using either the RDM EC5002i or eN-Check 2600 check reader). After you've set up the extended data fields shown below, you can transmit check images using **PC**Charge. Consult the section **Upload Check Images** in your **PC**Charge User's Manual for instructions.

SPS Check Contact Information

- **WWW** -- http://www.securepaymentsystems.com
- **Customer Service** -- (888) 243-5249

SPS Check Extended Data Fields



Guarantee Checks -- (Default = Unchecked) -- Allows you to turn on or off check guarantee with SPS.

DL Required Limit -- (Default = $0.00) -- This is an amount agreed upon by you and SPS. If a dollar amount for an SPS transaction is less than this amount, **PC**Charge will not require the customer's driver's license number, state code, or date of birth. If the dollar amount is greater, that verification information must be specified.

Check Truncation Data

Sales Count -- (Default = 0) -- Shows the number of sales in a given period.

Sales Balance -- (Default = $0.00) -- Shows the total monetary value of sales.

Voids Count -- (Default = 0) -- Shows the number of voids in a given period.

Voids Balance -- (Default = $0.00) -- Shows the total monetary value of voids in a given period.

Image Upload FTP Setup

Owner Code -- (Default = Empty) -- Enter your 16-digit identifier into this field. SPS or your merchant service provider will assign this code to you.

FTP User -- (Default = Empty) -- Enter your FTP user name into this field. This user name (in combination with the password) will allow **PC**Charge to transmit check images to SPS. RDM or your merchant service provider will assign this number to you.

FTP Password -- (Default = Empty) -- Enter your FTP password into this field. This password (in combination with the user name) will allow **PC**Charge to transmit check images to SPS. SPS or your merchant service provider will assign this number to you.

FTP Address -- (Default = Empty) -- Enter the FTP address provided to you by SPS or your merchant service provider.

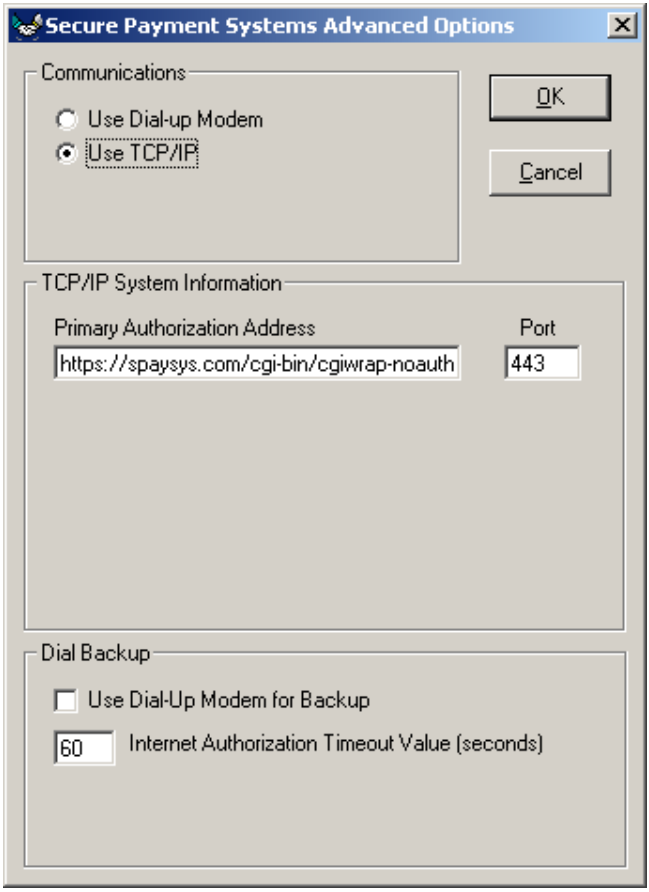
Connect via Dial -- (Default = Unselected) -- Select this option if you want to connect to SPS via a dial-up connection.

Connect via TCP/IP -- (Default = Selected) -- Enter the FTP address provided to you by SPS or your merchant service provider.

Advanced

Click this button to access the **Secure Payment Systems Advanced Options** window.

Secure Payment Systems (SPS) Advanced Options



Communication

Use Dial-up Modem -- (Default = Unselected) -- Select this option if your account is set up to connect to SPS using your modem.

Use TCP/IP -- (Default = Selected) -- Select this option if your account is set up to connect to the SPS gateway to process transactions via TCP/IP.

TCP/IP System Information

Note: This information is not accessible unless **Use TCP/IP** is enabled.

Primary Authorization Address -- (Default = As Shown) -- This is the SPS gateway. This information will be provided to you by SPS. Do not alter this value unless directed by a Technical Support Representative.

Port -- (Default = Empty) -- This information will be provided to you by SPS. Do not alter this value unless directed by a Technical Support Representative.

Dial Backup

Note: This information is not accessible unless **Use TCP/IP** is enabled.

Use Dial-Up Modem for Backup -- (Default = Unchecked) -- By checking this box, **PC**Charge will attempt to connect to the processing company if unable to establish a TCP/IP connection.

Internet Authorization Timeout Value -- (Default = 60) -- Set this value to the number of seconds you want **PC**Charge to wait for TCP/IP authorization from the processing company before timing out. The backup dial-up modem you've selected will then be used to connect.

TeleCheck International (TECK) Check

TECK Check Notes

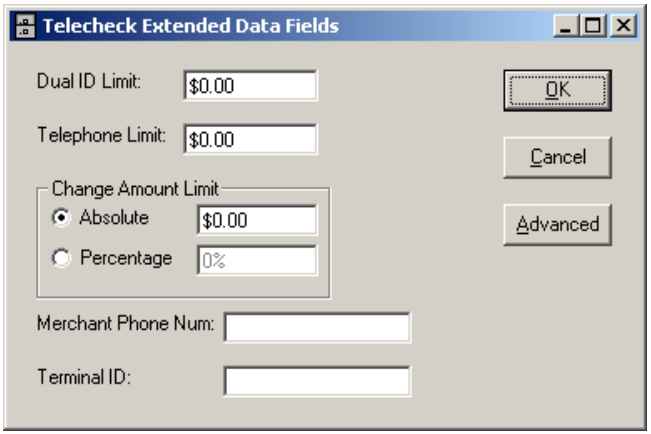
- **PC**Charge can connect to TECK via a dial-up modem connection or a TCP/IP (Internet) connection.
  - Consult the section **Dial-up Modem Processing** in **About Communication Types** for more information on dial-up modem processing (see page 13).
  - Consult the section **Internet Processing** in **About Communication Types** for more information on TCP/IP processing (see page 14).

TECK Check Contact Information

- **WWW** -- http://www. telecheck.com
- **Customer Service** -- (800) 366-5010

TECK Check Extended Data Fields

Note: This information is not accessible unless **ECA** is selected as your TECK **Check Service** from the **Check Services Setup** window.



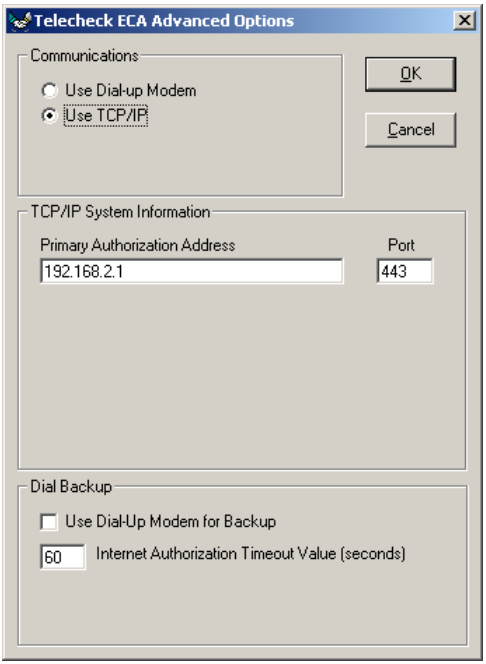
Dual ID Limit -- (Default = $0.00) -- This is an amount agreed upon by you and TECK. If a dollar amount for a TECK transaction is less than this amount, **PC**Charge will not require the customer's driver's license number or the MICR information from the bottom of the check. If the dollar amount is greater, that verification information must be specified.

Telephone Limit -- (Default = $0.00) -- This is an amount agreed upon by you and TECK. If a dollar amount for a TECK transaction is less than this amount, **PC**Charge will not require the customer's telephone number. If the dollar amount is greater, that verification information must be specified.

Advanced

Click this button to access the **TeleCheck ECA Advanced Options** window.

TeleCheck ECA Advanced Options



Communication

Use Dial-up Modem -- (Default = Unselected) -- Select this option if your account is set up to connect to TECK using your modem.

Use TCP/IP -- (Default = Selected) -- Select this option if your account is set up to connect to the TECK gateway to process transactions via TCP/IP.

TCP/IP System Information

Note: This information is not accessible unless **Use TCP/IP** is enabled.

Primary Authorization Address -- (Default = As Shown) -- This is the TECK gateway. This information will be provided to you by TECK. Do not alter this value unless directed by a Technical Support Representative.

Port -- (Default = Empty) -- This information will be provided to you by TECK. Do not alter this value unless directed by a Technical Support Representative.

Dial Backup

Note: This information is not accessible unless **Use TCP/IP** is enabled.

Use Dial-Up Modem for Backup -- (Default = Unchecked) -- By checking this box, **PC**Charge will attempt to connect to the processing company if unable to establish a TCP/IP connection.

Internet Authorization Timeout Value -- (Default = 60) -- Set this value to the number of seconds you want **PC**Charge to wait for TCP/IP authorization from the processing company before timing out. The backup dial-up modem you've selected will then be used to connect.

Appendix D -- EBT Card Processing Companies

Your processing company/vendor/merchant service provider should have provided you with most of the information on each company's **Extended Data Fields** window. Check the documentation you received upon setting up your EBT processing company merchant account.

Alliance Data Systems, Inc. (ADSI) EBT

ADSI EBT Notes

- **PC**Charge can connect to ADSI via a dial-up modem connection.
  - Consult the section **Dial-up Modem Processing** in **About Communication Types** for more information on dial-up modem processing (see page 13).

ADSI EBT Contact Information

- **WWW** -- http://www.alliancedatasystems.com
- **Customer Service** -- (972) 348-5100

ADSI EBT Extended Data Fields

No extended account information is required for accounts set up with this EBT card processing company.

BAMS FACTS (NPC) EBT

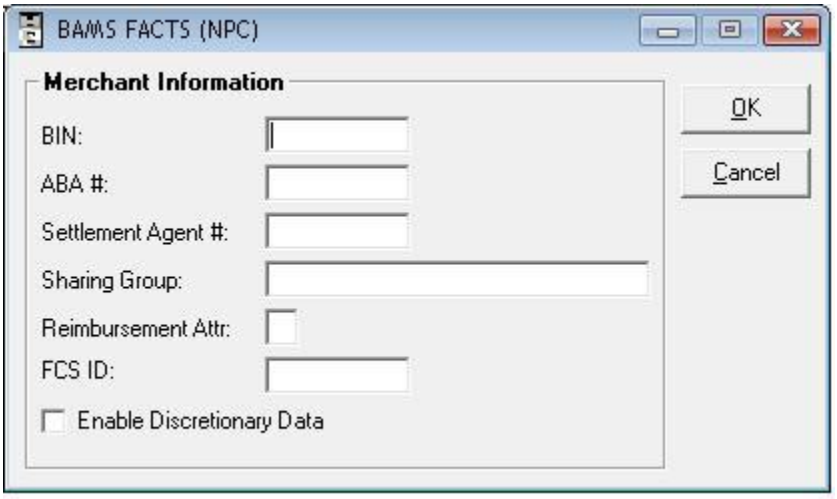
BAMS FACTS EBT Notes

- **PC**Charge can connect to BAMS FACTS EBT via a dial-up modem connection or an Internet connection. **PC**Charge will connect to BAMS FACTS EBT via the communications method you've specified for BAMS FACTS credit.
  - Consult the section **Dial-up Modem Processing** in **About Communication Types** for more information on dial-up modem processing (see page 13).
  - Consult the section **Internet Processing** in **About Communication Types** for more information on TCP/IP processing (see page 14).
- If your network is protected by a firewall, you'll need to completely open port 29506 for authorization and port 29516 for settlement. These are the TCP/IP ports used by the BAMS FACTS gateway.

BAMS FACTS EBT Contact Information

- **Customer Service** -- (800) 928-2583

BAMS FACTS EBT Extended Data Fields



Merchant Information

BIN: -- Enter your BIN in this field.

ABA #: -- Enter your ABA # in this field.

Settlement Agent #: -- Enter your Settlement Agent # in this field.

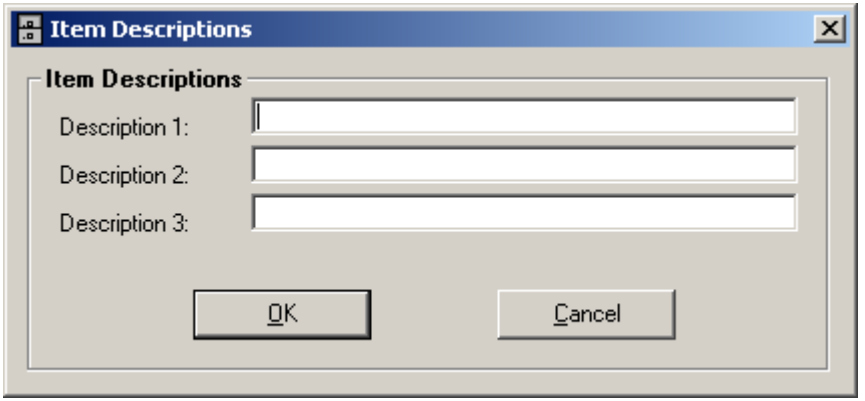
Sharing Group: -- Enter your Sharing Group in this field.

Reimbursement Attr: -- Enter your Reimbursement Attr. in this field.

FCS ID: -- Enter your FCS ID in this field.

Enable Discretionary Data -- (Default = Unchecked) – If you check this box, a form will load that allows you to enter additional descriptive data to be stored and sent at settlement.

When the Enable Discretionary Data checkbox is checked, the following form will load when processing a transaction. This form will allow the merchant to include any sort of data that they wish along with the transaction. The information entered into these fields is automatically displayed in all caps.



FDMS Atlanta, Inc. (BPAS) EBT

FDMS Atlanta EBT Notes

- **PC**Charge can connect to FDMS Atlanta via a dial-up modem connection or an Internet connection. **PC**Charge will connect to FDMS Atlanta EBT via the communications method you've specified for FDMS Atlanta credit.
  - Consult the section **Dial-up Modem Processing** in **About Communication Types** for more information on dial-up modem processing (see page 13).
  - Consult the section **Internet Processing** in **About Communication Types** for more information on TCP/IP processing (see page 14).
- Because the Internet connection to FDMS Atlanta is XML-based, it is necessary to install Microsoft's Internet Explorer version 6 or higher prior to setting up your FDMS Atlanta account. This will install the XML parser needed to communicate with FDMS Atlanta.
- If your network is protected by a firewall, you'll need to completely open port 443 for outgoing and incoming data. This is the TCP/IP port used by the FDMS Atlanta gateway.

FDMS Atlanta EBT Contact Information

- **WWW** -- http://www.fdms.com
- **Customer Service** -- (800) 733-3322, (800) 238-7675

FDMS Atlanta EBT Extended Data Fields

No extended account information is required for accounts set up with this EBT card processing company.

FDMS North-Nash (FDNN) EBT

FDMS North-Nash EBT Notes

- **PC**Charge can connect to FDMS North-Nash via a dial-up modem connection or an Internet connection. **PC**Charge will connect to FDMS North-Nash EBT via the communications method you've specified for FDMS North-Nash credit.
  - Consult the section **Dial-up Modem Processing** in **About Communication Types** for more information on dial-up modem processing (see page 13).
  - Consult the section **Internet Processing** in **About Communication Types** for more information on TCP/IP processing (see page 14).
- If your network is protected by a firewall, you'll need to completely open port 443 for outgoing and incoming data. This is the TCP/IP port used by the FDMS North-Nash gateway.

FDMS North-Nash EBT Contact Information

- **WWW** -- http://www.fdms.com/
- **Customer Service** -- ((800) 346-3315

FDMS North-Nash EBT Extended Data Fields

No extended account information is required for accounts set up with this EBT card processing company.

FDMS North (CES) EBT

FDMS North EBT Notes

- **PC**Charge can connect to FDMS North-Nash via a dial-up modem connection or an Internet connection. **PC**Charge will connect to FDMS North-Nash EBT via the communications method you've specified for FDMS North-Nash credit.
  - Consult the section **Dial-up Modem Processing** in **About Communication Types** for more information on dial-up modem processing (see page 13).
  - Consult the section **Internet Processing** in **About Communication Types** for more information on TCP/IP processing (see page 14).
- If your network is protected by a firewall, you'll need to completely open port 443 for outgoing and incoming data. This is the TCP/IP port used by the FDMS North-Nash gateway.

FDMS North EBT Contact Information

- **WWW** -- http://www.fdms.com/
- **Customer Service** -- ((800) 346-3315

FDMS North EBT Extended Data Fields

No extended account information is required for accounts set up with this EBT card processing company.

Fifth-Third Bank-St. Pete (BPS) EBT

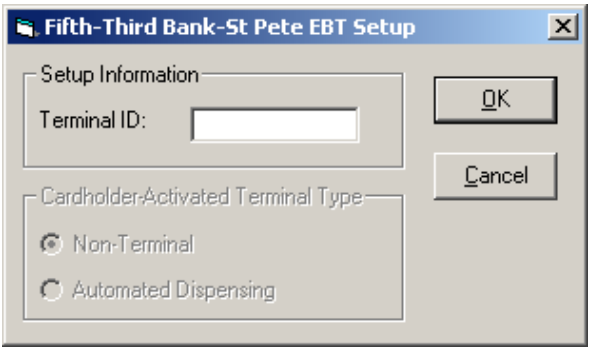
Fifth-Third Bank-St. Pete EBT Notes

- **PC**Charge can connect to Fifth-Third Bank-St. Pete via a dial-up modem connection or an Internet connection. **PC**Charge will connect to Fifth-Third Bank-St. Pete EBT via the communications method you've specified for Fifth-Third Bank-St. Pete credit.
  - Consult the section **Dial-up Modem Processing** in **About Communication Types** for more information on dial-up modem processing (see page 13).
  - Consult the section **Internet Processing** in **About Communication Types** for more information on TCP/IP processing (see page 14).
- If your network is protected by a firewall, you'll need to completely open port 443 for outgoing and incoming data. This is the TCP/IP port used by the Fifth-Third Bank-St. Pete gateway.
- The **Terminal IDs** for your Fifth-Third Bank-St. Pete debit, EBT, and gift accounts can all be the same number. However, the **Terminal ID** for your Fifth-Third Bank-St. Pete credit account must be a different number (if your Fifth-Third Bank-St. Pete credit **Terminal Type** is set to **Terminal Capture**). If your Fifth-Third Bank-St. Pete credit **Terminal Type** is set to **Host Capture**, you can use the same **Terminal ID** for all your Fifth-Third Bank-St. Pete accounts.

Fifth-Third Bank-St. Pete EBT Contact Information

- **WWW** -- http://www.53.com
- **Customer Service** -- (877) 744-5300

Fifth-Third Bank-St. Pete EBT Extended Data Fields



Setup Information

Terminal ID: -- (Default Value = Empty) (3-digits) -- Allows you to enter your Terminal Identification Number.

Cardholder Activated Terminal Type

Not implemented.

Paymentech (GSAR) EBT

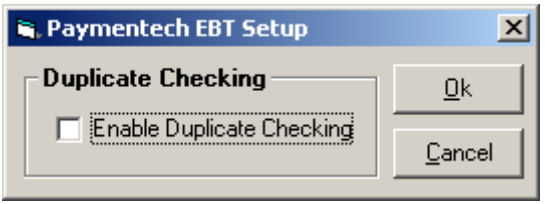
Paymentech EBT Notes

- **PC**Charge can connect to Paymentech via a dial-up modem connection or an Internet connection. **PC**Charge will connect to Paymentech EBT via the communications method you've specified for Paymentech credit.
  - Consult the section **Dial-up Modem Processing** in **About Communication Types** for more information on dial-up modem processing (see page 13).
  - Consult the section **Internet Processing** in **About Communication Types** for more information on TCP/IP processing (see page 14).
- If your network is protected by a firewall, you'll need to completely open port 443 for outgoing and incoming data. This is the TCP/IP port used by the Paymentech gateway.

Paymentech EBT Contact Information

- **WWW** -- http://www.chasepaymentech.com
- **Customer Service** -- (800) 254-9556

Paymentech EBT Extended Data Fields



Duplicate Checking

Enable Duplicate Checking: -- (Default = Unchecked) -- Enabling this will activate duplicate checking on Paymentech's end. If Paymentech approves a transaction and **PC**Charge does not receive that approval, **PC**Charge will reattempt the transaction. If **Enable Duplicate Checking** has been activated, Paymentech will not approve the second transaction. Instead, Paymentech will simply return the authorization information from the first approval.

RBS WorldPay (LYNK) EBT

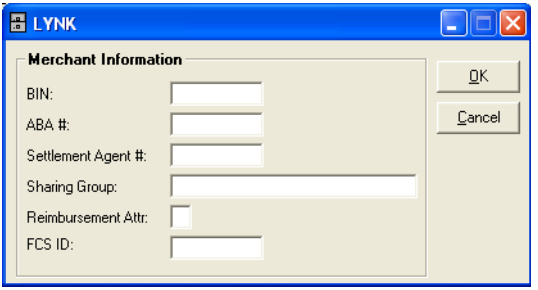
RBS WorldPay EBT Notes

- **PC**Charge can connect to RBS WorldPay via a dial-up modem connection, an ISDN connection, or an Internet connection.
  - Consult the section **Dial-up Modem Processing** in **About Communication Types** for more information on dial-up modem processing (see page 13).
  - Consult the section **Internet Processing** in **About Communication Types** for more information on TCP/IP processing (see page 14).
  - Consult the section **ISDN Processing** in **About Communication Types** for more information on TCP/IP processing (see page 15).
- If your network is protected by a firewall, you'll need to completely open port 443 for outgoing and incoming data. This is the TCP/IP port used by the RBS WorldPay gateway.

RBS WorldPay Contact Information

- **WWW** -- http://www.rbsworldpay.com
- **Customer Service** -- (800) 859-5965

RBS WorldPay EBT Extended Data Fields



Merchant Information

BIN: -- Enter your BIN in this field.

ABA #: -- Enter your ABA # in this field.

Settlement Agent #: -- Enter your Settlement Agent # in this field.

Sharing Group: -- Enter your Sharing Group in this field.

Reimbursement Attr: -- Enter your Reimbursement Attr. in this field.

FCS ID: -- Enter your FCS ID in this field.

TSYS Acquiring Solutions (VISA) EBT

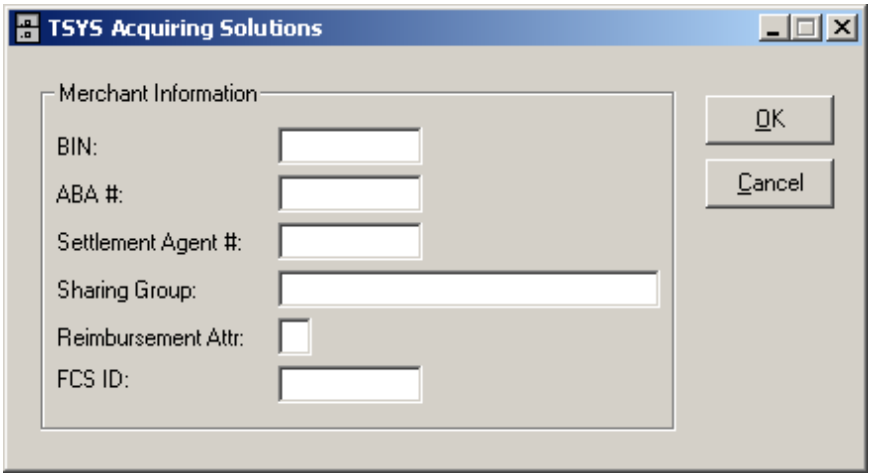
TSYS Acquiring Solutions EBT Notes

- **PC**Charge can connect to TSYS Acquiring Solutions via a dial-up modem connection or an Internet connection. **PC**Charge will connect to TSYS Acquiring Solutions EBT via the communications method you've specified for TSYS Acquiring Solutions credit.
  - Consult the section **Dial-up Modem Processing** in **About Communication Types** for more information on dial-up modem processing (see page 13).
  - Consult the section **Internet Processing** in **About Communication Types** for more information on TCP/IP processing (see page 14).
- If your network is protected by a firewall, you'll need to completely open port 5003 for outgoing and incoming data. This is the TCP/IP port used by the TSYS Acquiring Solutions gateway.

TSYS Acquiring Solutions EBT Contact Information

- **WWW** -- http://www.tsysacquiring.com/
- **Customer Service** -- (800) 847-2772

TSYS Acquiring Solutions EBT Extended Data Fields



Merchant Information

BIN: -- Enter your BIN in this field.

ABA #: -- Enter your ABA # in this field.

Settlement Agent #: -- Enter your Settlement Agent # in this field.

Sharing Group: -- Enter your Sharing Group in this field.

Reimbursement Attr: -- Enter your Reimbursement Attr. in this field.

FCS ID: -- Enter your FCS ID in this field.

Appendix E -- Gift Card Processing Companies

Your processing company/vendor/merchant service provider should have provided you with most of the information on each company's **Extended Data Fields** window. Check the documentation you received upon setting up your gift card processing company merchant account.

FDMS Atlanta, Inc. (BPAS) Gift

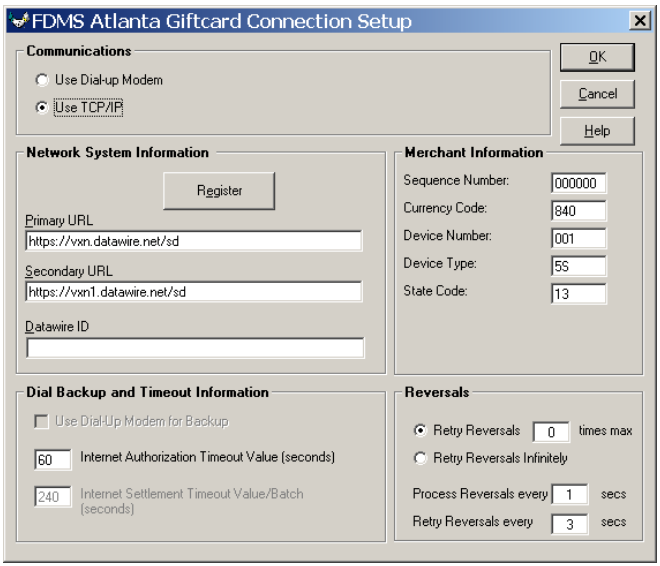
FDMS Atlanta Gift Notes

- **PC**Charge can connect to FDMS Atlanta gift via a dial-up modem connection, lease line connection, or an Internet connection.
  - Consult the section **Dial-up Modem Processing** in **About Communication Types** for more information on dial-up modem processing (see page 13).
  - Consult the section **Internet Processing** in **About Communication Types** for more information on TCP/IP processing (see page 14).
- Because the Internet connection to FDMS Atlanta is XML-based, it is necessary to install Microsoft's Internet Explorer version 6 or higher prior to setting up your FDMS Atlanta account. This will install the XML parser needed to communicate with FDMS Atlanta.
- If your network is protected by a firewall, you'll need to completely open port 443 for outgoing and incoming data. This is the TCP/IP port used by the FDMS Atlanta gateway.

FDMS Atlanta Gift Contact Information

- **WWW** -- http://www.fdms.com
- **Customer Service** -- (800) 733-3322, (800) 238-7675

FDMS Atlanta Gift Extended Data Fields



Communications

Use Dial-Up Modem -- (Default = Unselected) -- Select this option if your account is set up to connect to FDMS Atlanta via dial-up modem.

Use TCP/IP -- (Default = Selected) -- Select this option if your account is set up to connect to FDMS Atlanta via the Internet.

Network System Information

Note: This information is not accessible unless **Use TCP/IP** is enabled.

- **System Address** -- (Default = As Shown) -- This is the address of FDMS Atlanta's gateway. Do not change this setting unless directed by a Technical Support Representative.

- **Store ID** -- (Default = Empty) -- FDMS Atlanta or your merchant service provider will make this information available to you.

- **Store Key** -- (Default = Empty) -- FDMS Atlanta or your merchant service provider will make this information available to you.

- **Verify Connection** -- After completely filling out this window, make sure your Internet connection is enabled and click this button. If a connection is successfully established with FDMS Atlanta, a pop-up window will appear giving you a `ResponseCode` of `0`, a `ResultCode` of `00`, and a `Result` of `ONLINE`. If you get a response of `ConnErr`, please check the **Internet Authorization Timeout Value**. The default is 60.

Merchant Information

Sequence Number: -- (Default = 000000) (6-digits) -- The sequence number is the number of the last transaction performed in the open batch.

Currency Code: -- (Default = 840) (3-digits) -- Enter the 3-digit code identifying the type of currency being used. 840 is the setting for U.S. dollars.

Device Number: -- (Default = 001) (3-digits) -- The device number is a 3-digit value assigned by FDMS Atlanta.

Device Type: -- (Default = 5S) (2 characters) -- The device type is a 2-digit value assigned by FDMS Atlanta.

State Code -- (Default = 13) (2-digits) -- Allows you to enter the State Code that identifies your state.

Dial Backup

Not implemented.

FDMS Atlanta Gift Transaction Types

The availability of FDMS Atlanta transaction types depends on the communications type selected.

- **Activate** -- This transaction type activates an inactive card.
- **Balance** -- This transaction type looks up a gift card account and returns the balance.
- **Credit** -- This transaction type increases the cardholder's account balance by a specified amount. This transaction type is conceptually similar to a credit card **Credit** transaction.
- **Deactivate** -- This transaction is the opposite of the Activate transaction. It invalidates an existing active card. Enter the existing account balance into the **Amount $:** field to close the account.
- **Pre-Auth** -- This transaction type places the amount you specify "on hold" for a potential transfer of funds. The funds won't be transferred unless a Post-Auth is performed using the Pre-Auth's validation code. Depending on your processing company, there may be a time limit on a Pre-Auth's usability. Typically, if a completion is not performed within that time limit, the amount is taken "off hold" and is once again available to the cardholder. The processor determines the time limit, which is usually 7-10 days. You should contact your merchant service provider/credit card processing company for the exact time.
- **Post-Auth** -- This transaction type "completes" an approved Pre-Auth transaction and initiates the transfer of the specified amount from the customer's account to your account. Your Post-Auth may be for the exact Pre-Auth amount or an amount less than the Pre-Auth amount, but may not be greater than the original Pre-Auth amount.
- **Purchase** -- This transaction type reduces the cardholder's account balance by a specified amount. This transaction type is conceptually similar to a credit card Sale transaction.
- **Recharge --** This transaction type is use**d** to increase the cardholder's account bala**n**ce by a specified amount. Note that some cards cannot be **r**echarge**d. For th**ose cards, the Credit transaction type may be used. This transaction type is conceptually similar to a credit card Credit transaction.
- **Void** -- This transacti**o**n type cancels an existing gift card transaction. This transaction type is conceptually similar to a credit card Void transaction.

Datamark (DMRK) Gift

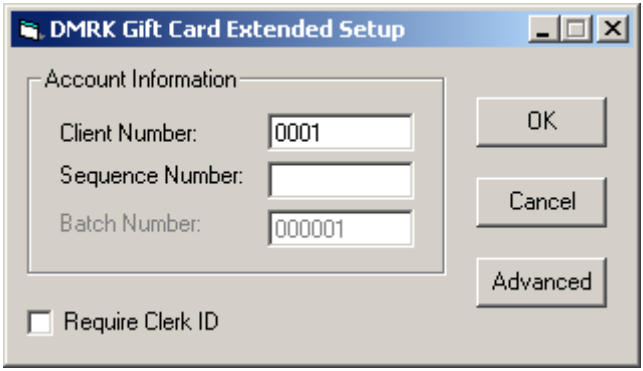
DMRK Gift Notes

- **PC**Charge can connect to DMRK via a dial-up modem connection or an Internet connection. **PC**Charge will connect to DMRK Gift via the communications method you've specified for DMRK credit.
  - Consult the section **Dial-up Modem Processing** in **About Communication Types** for more information on dial-up modem processing (see page 13).
  - Consult the section **Internet Processing** in **About Communication Types** for more information on TCP/IP processing (see page 14).
- If your network is protected by a firewall, you'll need to completely open port 443 for outgoing and incoming data. This is the TCP/IP port used by the DMRK gateway.

DMRK Gift Contact Information

- **WWW** -- http://www.datamark.com
- **Customer Service** -- (609) 580-3533

DMRK Gift Extended Data Fields



Account Information

Client Number -- (Default Value = Empty) (4-digits) -- Allows you to enter your DMRK account's client number.

Sequence Number -- (Default Value = Empty) (3-digits) -- Allows you to enter your DMRK account's sequence number.

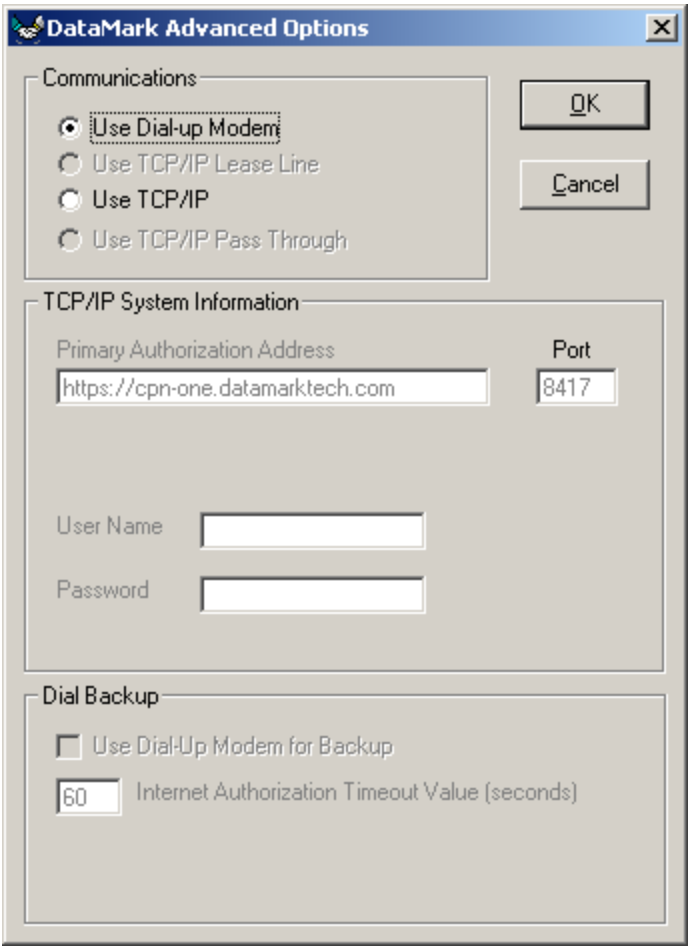
Batch Number -- Not implemented.

Require Clerk ID -- (Default = Unchecked) -- If you check this box, your employee must enter an identification code in order to process a transaction using this account.

Advanced

Click this button to access the **Datamark Advanced Options** window.

Datamark (DMRK) Advanced Options



Communication

Use Dial-up Modem -- (Default = Unselected) -- Select this option if your account is set up to connect to DMRK using your modem.

Use TCP/IP Lease Line -- (Default = Unselected) -- Not implemented.

Use TCP/IP -- (Default = Selected) -- Select this option if your account is set up to connect to the DMRK gateway to process transactions via TCP/IP.

Use TCP/IP Pass Through -- (Default = Unselected) -- Not implemented.

TCP/IP System Information

Note: This information is not accessible unless **Use TCP/IP** is enabled.

Primary Authorization Address -- (Default = As Shown) -- This is the DMRK gateway. Do not alter this value unless directed by a Technical Support Representative.

System Port -- (Default = As Shown) -- Do not alter this value unless directed by a Technical Support Representative.

User Name: -- (Default = Empty) -- This information will be provided to you by DMRK (if they require it for your account).

Password: -- (Default = Empty) -- This information will be provided to you by DMRK (if they require it for your account).

Dial Backup

Note: This information is not accessible unless **Use TCP/IP** is enabled.

Use Dial-Up Modem for Backup -- (Default = Unchecked) -- By checking this box, **PC**Charge will attempt to connect to the processing company if unable to establish a TCP/IP connection.

Internet Authorization Timeout Value -- (Default = 60) -- Set this value to the number of seconds you want **PC**Charge to wait for TCP/IP authorization from the processing company before timing out. The backup dial-up modem you've selected will then be used to connect.

DMRK Gift Transaction Types

- **Redemption** -- This transaction type reduces the cardholder's account balance by a specified amount. This transaction type is conceptually similar to a credit card Sale transaction.
  - **Partial?** -- Checking this box allows you to give your customer the option to use all or part of his gift card balance to make a partial payment. Example: The customer wants to purchase a $100 item but only has $25 in his gift card account. If you enter $100 into this window and check the **Partial?** box, **PC**Charge will prompt you to enter the partial payment amount ($25). The remaining amount would need to be made through other means.
- **Issuance/Add Value** -- This transaction type performs two basic functions:
  1. If a card has not yet been activated, this transaction type is used to activate a gift card with a balance of a specified amount. If no **Certificate Number** is specified, the gift card processing company will assign a unique number to that account.
  2. If a card has been activated, this transaction type is used to increase the cardholder's account balance by a specified amount. This transaction type is conceptually similar to a credit card Credit transaction.

- **Void** -- This transaction type cancels an existing gift card transaction. You specify which by entering the **Auth Code** of the original transaction. The **Auth Code** can be found in the **Gift Card** report (consult the section **Reports** in your **PC**Charge User's Manual for more information). This transaction type is conceptually similar to a credit card **Void** transaction. **Note:** A DMRK gift card Void transaction can be performed on an existing Issuance/Add Value or Redemption transaction, but cannot be performed on a Prior Issuance/Add Value or Prior Redemption transaction.
- **Balance Inquiry** -- This transaction type looks up a gift card account and returns the balance.
- **Activate** -- This transaction type activates a gift card with a balance of a specified amount. If no **Certificate Number** is specified, the gift card processing company will assign a unique number to that account.
- **Deactivate** -- This transaction is the opposite of the Activate transaction. It invalidates an existing active card. Enter the existing account balance into the **Amount $:** field to close the account.

Fifth-Third Bank-St. Pete (BPS) Gift

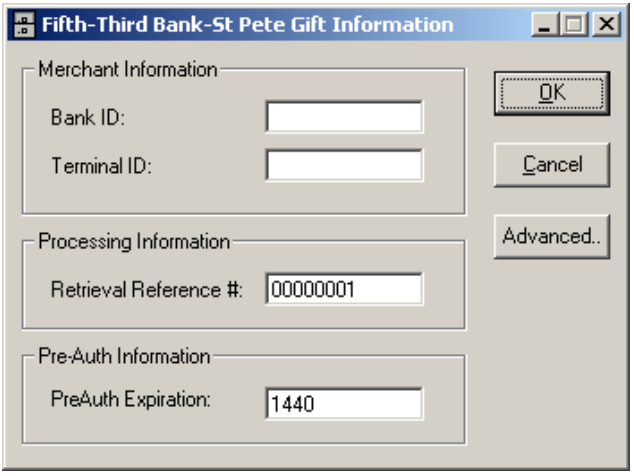
Fifth-Third Bank-St. Pete Gift Notes

- **PC**Charge can connect to Fifth-Third Bank-St. Pete via a dial-up modem connection, an Internet connection, or a lease line connection..
  - Consult the section **Dial-up Modem Processing** in **About Communication Types** for more information on dial-up modem processing (see page 13).
  - Consult the section **Internet Processing** in **About Communication Types** for more information on TCP/IP processing (see page 14).
  - Consult the section **Lease Line Processing** in **About Communication Types** for more information on lease line processing (see page 14).
- If your network is protected by a firewall, you'll need to completely open port 443 for outgoing and incoming data. This is the TCP/IP port used by the Fifth-Third Bank-St. Pete gateway.
- The **Terminal IDs** for your Fifth-Third Bank-St. Pete debit, EBT, and gift accounts can all be the same number. However, the **Terminal ID** for your Fifth-Third Bank-St. Pete credit account must be a different number (if your Fifth-Third Bank-St. Pete credit **Terminal Type** is set to **Terminal Capture**). If your Fifth-Third Bank-St. Pete credit **Terminal Type** is set to **Host Capture**, you can use the same **Terminal ID** for all your Fifth-Third Bank-St. Pete accounts.

Fifth-Third Bank-St. Pete Gift Contact Information

- **WWW** -- http://www.53.com
- **Customer Service** -- (877) 744-5300

Fifth-Third Bank-St. Pete Gift Extended Data Fields



Merchant Information

Bank ID -- (Default Value = Empty) (4-digits) -- Allows you to enter your Bank Identification Number.

Terminal ID -- (Default Value = Empty) (3-digits) -- Allows you to enter your Terminal Identification Number.

Processing Information

Retrieval Reference #: -- (Default Value = Empty) -- Do not alter the contents of this field unless directed by your merchant service provider or a Technical Support Representative.

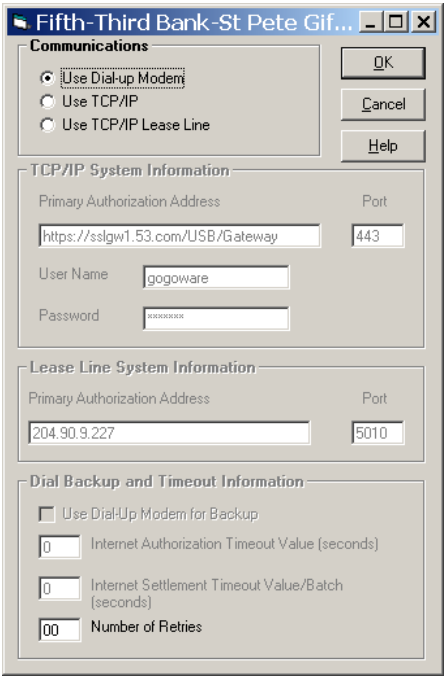
Pre-Auth Information

PreAuth Expiration: -- (Default Value = 1440) -- This is number of seconds that a Pre-Auth transaction will remain active before it is automatically reversed by Fifth-Third Bank-St. Pete. **Note:** This is currently not supported by Fifth-Third Bank-St. Pete.

Advanced

Click this button to access the **Fifth-Third Bank-St. Pete Advanced Options** window.

Fifth-Third Bank-St. Pete (BPS) Advanced Options



Communications

Use Dial-up Modem -- (Default = Unselected) -- Select this option if your account is set up to connect to Fifth-Third Bank-St. Pete using your modem.

Use TCP/IP -- (Default = Selected) -- Select this option if your account is set up to connect to the Fifth-Third Bank-St. Pete gateway to process transactions via TCP/IP.

Use TCP/IP Lease Line -- (Default = Unselected) -- Select this option if your account is set up to connect to the Fifth-Third Bank-St. Pete gateway to process transactions via TCP/IP lease line.

TCP/IP System Information

Note: This information is not accessible unless **Use TCP/IP** is enabled.

Primary Authorization Address -- (Default = As Shown) -- This is the Fifth-Third Bank-St. Pete gateway. This information will be provided to you by Fifth-Third Bank-St. Pete. Do not alter this value unless directed by a Technical Support Representative.

System Port -- (Default = Empty) -- This information will be provided to you by Fifth-Third Bank-St. Pete. Do not alter this value unless directed by a Technical Support Representative.

User Name: -- (Default = Empty) -- This information will be provided to you by Fifth-Third Bank-St. Pete.

Password: -- (Default = Empty) -- This information will be provided to you by Fifth-Third Bank-St. Pete.

Lease Line System Information

Note: This information is not accessible unless **Use TCP/IP Lease Line** is enabled.

Primary Authorization Address -- (Default = As Shown) -- This is the Fifth-Third Bank-St. Pete gateway. This information will be provided to you by Fifth-Third Bank-St. Pete. Do not alter this value unless directed by a Technical Support Representative.

Port -- (Default = As Shown) -- This information will be supplied to you by Fifth-Third Bank-St. Pete. Do not alter this value unless directed by a Technical Support Representative.

Dial Backup

Note: This information is not accessible unless **Use TCP/IP** is enabled.

Use Dial-Up Modem for Backup -- (Default = Unchecked) -- By checking this box, **PC**Charge will attempt to connect to the processing company if unable to establish a TCP/IP connection.

Internet Authorization Timeout Value -- (Default = 60) -- Set this value to the number of seconds you want **PC**Charge to wait for TCP/IP authorization from the processing company before timing out. The backup dial-up modem you've selected will then be used to connect.

Internet Settlement Timeout Value/Batch -- (Default = 240) -- Set this value to the number of seconds you want **PC**Charge to wait for TCP/IP settlement from the processing company before timing out. The backup dial-up modem you've selected will then be used to connect.

Number of Retries – Set this value to the number of retries you want **PC**Charge to attempt.

Fifth-Third Bank-St. Pete Gift Transaction Types

- **Activate** -- This transaction type activates an inactive card. Gift card accounts sold to your customer with an existing value need have to have their accounts activated at the time of purchase. If a card has been activated, this transaction type is used to increase the cardholder's account balance by a specified amount.
- **Balance** -- This transaction type looks up a gift card account and returns the balance.
- **Close** -- This transaction is the opposite of the Activate transaction. It invalidates an existing active card. Enter the **Amount $:** field to close the account.
- **Pre-Auth** -- This transaction type places the amount you specify "on hold" for a potential transfer of funds. The funds won't be transferred unless a Completion is performed using the Pre-Auth's validation code. Depending on your processing company, there may be a time limit on a Pre-Auth's usability. Typically, if a completion is not performed within that time limit, the amount is taken "off hold" and is once again available to the cardholder. The processor determines the time limit, which is usually 7-10 days. You should contact your merchant service provider/processing company for the exact time.
- **Post-Auth** -- This transaction type “completes” an approved Pre-Auth transaction and initiates the transfer of the specified amount from the customer's account to your account. Your Post-Auth may be for the exact Pre-Auth amount or an amount less than the Pre-Auth amount, but may not be greater than the original Pre-Auth amount.
- **Redemption** -- This transaction type reduces the cardholder's account balance by a specified amount. This transaction type is conceptually similar to a credit card Sale transaction.
- **Refund** -- This transaction type increases the cardholder's account balance by a specified amount. This transaction type is conceptually similar to a credit card Credit transaction.
- **Reload** -- This transaction type is used to add funds to a cardholder's account. The difference between this transaction type and a Refund is that a Reload should be used when money needs to be added to a card but no actual exchange of goods or services is taking place.
- **Unload** -- This transaction type is used to withdraw funds from a gift account. The difference between an Unload and a Redemption is that an Unload should be used when money needs to be deducted from a gift account without an actual exchange of goods or services taking place.
- **Void** -- This transaction type cancels an existing gift card transaction. This transaction type is conceptually similar to a credit card Void transaction.

Givex (GVEX) Gift

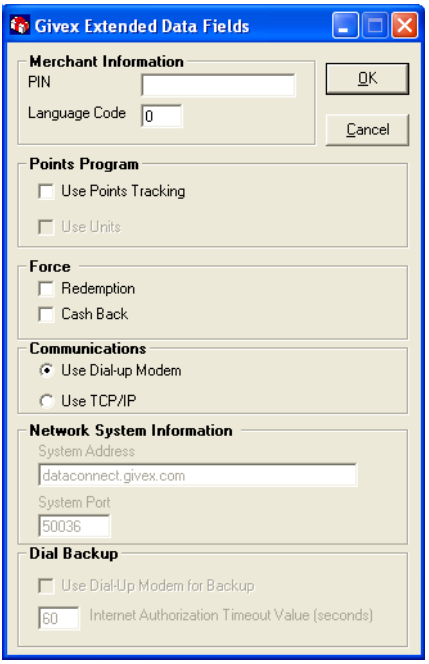
GVEX Gift Notes

- **PC**Charge can connect to GVEX via a dial-up modem connection or an Internet connection.
  - Consult the section **Dial-up Modem Processing** in **About Communication Types** for more information on dial-up modem processing (see page 13).
  - Consult the section **Internet Processing** in **About Communication Types** for more information on TCP/IP processing (see page 14).
- If your network is protected by a firewall, you'll need to completely open port 443 for outgoing and incoming data. This is the TCP/IP port used by the GVEX gateway.

GVEX Gift Contact Information

- **WWW** -- http://www.givex.com
- **Customer Service** -- (877) 478-7733

GVEX Gift Extended Data Fields



Merchant Information

PIN -- (10 alpha/numeric characters) -- Enter your PIN in this field.

Language Code -- (Default = 0) -- Enter your language code in this field.

Points Program

Use Points Tracking -- (Default = Unchecked) -- If this option is checked, **PC**Charge allows the user to process Givex points-based transactions.

Use Units -- (Default = Unchecked) -- If this option is unchecked, **PC**Charge will prompt the user for a dollar amount and the Givex number during a **Points** transaction. If this option is checked, **PC**Charge will prompt the user for a dollar amount, the Givex number, and the units during a **Points** transaction. **Note:** This option is not accessible unless the **Use Points Tracking** feature is activated.

Force

Redemption -- (Default = Unchecked) -- If this option is checked, **PC**Charge will allow for Partial Authorization of a Redemption transaction and return an Amount Due if the transaction amount is greater than the balance on the card. If not enabled, transactions greater than the gift card balance will be declined.

Cashback -- (Default = Unchecked) -- If this option is checked, **PC**Charge will allow for Partial Authorization of a Cash Back transaction. This means that even if the Cash Back transaction is greater than the balance on the card, the transaction will capture and an Amount Due will be returned. If not enabled, Cash Back transactions that are greater than the gift card balance will be declined.

Communications

Use Dial-Up Modem -- (Default = Selected) -- Select this option if your account is set up to connect to Givex using your modem.

Use TCP/IP -- (Default = Unselected) -- Select this option if your account is set up to connect to the Givex gateway to process transactions via TCP/IP.

Network System Information

System Address -- (This option is only accessible if **Use TCP/IP** is selected) -- This is the Givex gateway. Do not alter this value unless directed by a Technical Support Representative.

System Port -- Do not alter this value unless directed by a Technical Support Representative.

Dial Backup

Use Dial-Up Modem for Backup -- (Default = Unchecked) -- By checking this box, **PC**Charge will attempt to connect to the processing company if unable to establish a TCP/IP connection.

Internet Authorization Timeout Value -- (Default = 60) -- Set this value to the number of seconds you want **PC**Charge to wait for a TCP/IP authorization. The backup dial-up modem is then used.

GVEX Gift Transaction Types

- **Activate** -- This transaction type activates an inactive card. Gift card accounts sold to your customer with an existing value need have to have their accounts activated at the time of purchase. Gift cards/certificates created using the Register transaction do not need to be activated.
- **Adjustment** -- This transaction type is used to adjust the balance of a cardholder's account. The transaction amount must be signed either negative (-) to indicate that the consumer's account should be decremented or positive (+) to indicate that the consumer's account should be incremented.
- **Balance** -- This transaction type looks up a gift card account and returns the balance.
- **Cancel** -- This transaction type cancels the last transaction made by a gift card. This transaction must take place within 24 hours of that transaction. This transaction type is conceptually similar to a credit card Void transaction, but it is restricted to the previous transaction.
    - **Points?** -- Checking this box allows you to enter the authorization code for a **Issuance/Add Value** transaction if you've already received a voice authorization for that transaction. This is essentially the same concept as credit card voice auth transactions.
- **Increment** -- This transaction type increases the cardholder's account balance by a specified amount. This transaction type is conceptually similar to a credit card Credit transaction.
- **Points** -- This transaction type allows you to perform a points-based transaction. **Note:** This transaction type is not accessible unless **Use Points Tracking** is enabled in the **Givex Extended Data Fields** window. Additionally, **Promo Code** in the **Points** window is not accessible unless **Use Units** is enabled in the **Givex Extended Data Fields** window.
- **Redemption** -- This transaction type reduces the cardholder's account balance by a specified amount. This transaction type is conceptually similar to a credit card Sale transaction.
    - **Points?** -- Checking this box allows you to enter the authorization code for a **Issuance/Add Value** transaction if you've already received a voice authorization for that transaction. This is essentially the same concept as credit card voice auth transactions.
- **Register** -- This transaction type activates a gift card with a balance of a specified amount. If no **Certificate Number** is specified, the gift card processing company will assign a unique number to that account.
- **Pre-Auth** -- This transaction type places the amount you specify "on hold" for a potential transfer of funds. The funds won't be transferred unless a Completion is performed using the Pre-Auth's validation code. Depending on your processing company, there may be a time limit on a Pre-Auth's usability. Typically, if a completion is not performed within that time limit, the amount is taken "off hold" and is once again available to the cardholder. The processor determines the time limit, which is usually 7-10 days. You should contact your merchant service provider/processing company for the exact time.
- **Post-Auth** – This transaction type “completes” an approved Pre-Auth transaction and initiates the transfer of the specified amount from the customer's account to your account. Your Post-Auth may be for the exact Pre-Auth amount or an amount less than the Pre-Auth amount, but may not be greater than the original Pre-Auth amount.

Mellennia (MELL) Gift

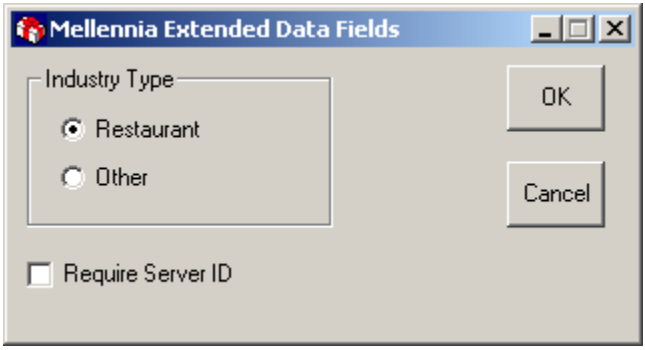
MELL Gift Notes

- **PC**Charge can connect to MELL via a dial-up modem connection.
  - Consult the section **Dial-up Modem Processing** in **About Communication Types** for more information on dial-up modem processing (see page 13).

MELL Gift Contact Information

- **WWW** -- http://www.mellenia.com
- **Customer Service** -- (877) 273-5551

MELL Gift Extended Data Fields



Industry Type

Restaurant -- (Default = Selected) -- Select this option if MELL classifies your business as a restaurant.

Other -- (Default = Unselected) -- Select this option if MELL classifies your business as something other than a restaurant.

Require Server ID -- (Default = Unselected) -- By selecting this option, your employee would have to enter an identification code when entering the tip for a transaction. **Note:** This option is selectable only when the **Restaurant** option is selected.

Require Clerk ID -- (Default = Unselected) -- By selecting this option, your employee would have to enter an identification code when entering a transaction. **Note:** This option is selectable only when the **Other** option is selected.

MELL Gift Transaction Types

- **Activate** -- This transaction type activates a gift card with a balance of a specified amount.
- **Sale** -- This transaction type reduces the cardholder's account balance by a specified amount. This transaction type is conceptually similar to a credit card Sale transaction.
- **Void** -- This transaction type cancels an existing gift card transaction. This transaction type is conceptually similar to a credit card Void transaction.
- **Refund** -- This transaction type increases the cardholder's account balance by a specified amount. This transaction type is conceptually similar to a credit card Credit transaction.
- **Cash Back** -- This transaction type increases the cardholder's account balance by a specified amount. This transaction type is conceptually similar to a credit card Credit transaction.
- **Balance** -- This transaction type looks up a gift card account and returns the balance.
- **Deactivate** -- This transaction is the opposite of the Activate transaction. It invalidates an existing active card. Enter the existing account balance into the **Amount $:** field to close the account.
- **Add Points** -- This transaction type increases the cardholder's points balance by a specified amount. This transaction type is conceptually similar to a credit card Credit transaction, except that it is points-based, not funds-based.
- **Redeem Points** -- This transaction type reduces the cardholder's points balance by a specified amount. This transaction type is conceptually similar to a credit card Sale transaction, except that it is points-based, not funds-based.
- **Tip** -- This action allows you to process a gratuity transaction for a previously existing Sale transaction. This transaction type is only available if your account's business type is set to restaurant.

Paymentech (GSAR) Gift

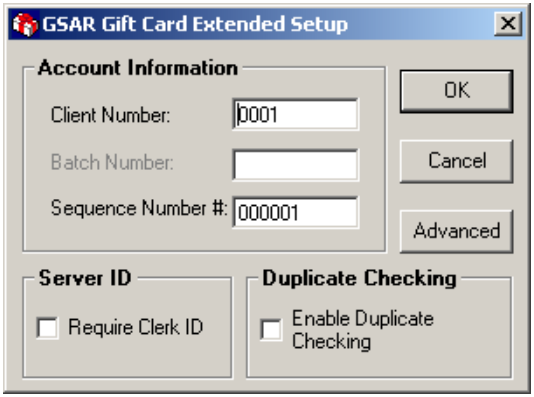
Paymentech Gift Notes

- **PC**Charge can connect to Paymentech via a dial-up modem connection or a lease line connection.
  - Consult the section **Dial-up Modem Processing** in **About Communication Types** for more information on dial-up modem processing (see page 13).
  - Consult the section **Lease Line Processing** in **About Communication Types** for more information on lease line processing (see page 14).
- If your network is protected by a firewall, you'll need to completely open port 443 for outgoing and incoming data. This is the TCP/IP port used by the Paymentech gateway.

Paymentech Gift Contact Information

- **WWW** -- http://www.chasepaymentech.com
- **Customer Service** -- (800) 254-9556

Paymentech Gift Extended Data Fields



Account Information

Client Number -- (4-digits) -- Enter your Client Number in this field.

Batch Number -- Not implemented.

Sequence Number #: -- (6-digits) -- This field displays your open batch information. This value is automatically incremented by **PC**Charge during normal batch operation. Do not alter this value unless directed by a Technical Support Representative.

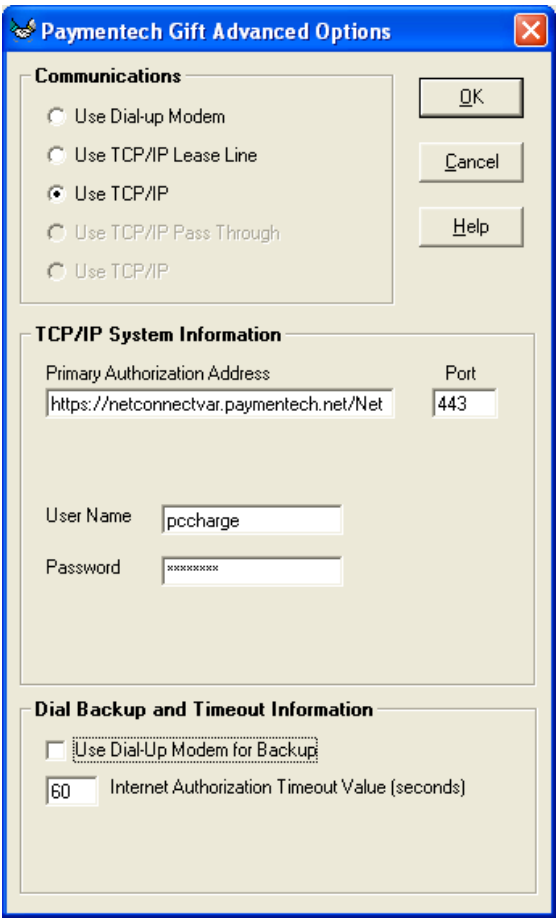
Require Clerk ID -- (Default = Unchecked) -- If you check this box, your employee must enter an identification code in order to process a transaction using this account.

Enable Duplicate Checking: -- (Default = Unchecked) -- Enabling this will activate duplicate checking on Paymentech's end. If Paymentech approves a transaction and **PC**Charge does not receive that approval, **PC**Charge will reattempt the transaction. If **Enable Duplicate Checking** has been activated, Paymentech will not approve the second transaction. Instead, Paymentech will simply return the authorization information from the first approval.

Advanced

Click this button to access the **Paymentech Advanced Options** window.

Paymentech Advanced Options



Communications

Use Dial-up Modem -- (Default = Selected) -- Select this option if your account is set up to connect to Paymentech using your modem.

Use TCP/IP Lease Line -- (Default = Unselected) -- Select this option if your account is set up to connect to Paymentech via a TCP/IP Lease line connection.

Use TCP/IP -- (Default = Unselected) -- Select this option if your account is set up to connect to the Paymentech gateway to process transactions via TCP/IP.

Use TCP/IP Pass Through -- (Default = Unselected) -- Not implemented.

TCP/IP System Information

Note: This information is not accessible unless **Use TCP/IP** is enabled.

Primary Authorization Address -- (As Shown) -- This is the primary address of the Paymentech gateway. Do not alter this value unless directed by a Technical Support Representative.

Port: -- (Default = Empty) -- This is the port through which Paymentech transactions are sent. Do not alter this value unless directed by a Technical Support Representative.

User Name: -- (Default = Empty) -- This information will be provided to you by Paymentech.

Password: -- (Default = Empty) -- This information will be provided to you by Paymentech.

Lease Line System Information

Note: This information is not accessible unless **Use TCP/IP Lease Line** is enabled.

Primary Authorization Address -- (Default = As Shown) -- This information will be supplied to you by Paymentech.

Port -- (Default = As Shown) -- This information will be supplied to you by Paymentech.

Secondary Authorization Address -- (Default = Empty) -- This information will be supplied to you by Paymentech.

Port -- (Default = Empty) -- This information will be supplied to you by Paymentech.

Primary Settlement Address -- (Default = Empty) -- This information will be supplied to you by Paymentech.

Port -- (Default = Empty) -- This information will be supplied to you by Paymentech.

Secondary Settlement Address -- (Default = Empty) -- This information will be supplied to you by Paymentech.

Port -- (Default = Empty) -- This information will be supplied to you by Paymentech.

Dial Backup

Note: This information is not accessible unless **Use TCP/IP Lease Line** or **Use TCP/IP** is enabled.

Use Dial-up Modem for Backup -- (Default = Unchecked) -- By checking this box, **PC**Charge will attempt to connect to the processing company if unable to establish a TCP/IP connection.

Internet Authorization Timeout Value -- (Default = 60) -- Set this value to the number of seconds you want **PC**Charge to wait for TCP/IP authorization from the processing company before timing out. The backup dial-up modem you've selected will then be used to connect.

Internet Settlement Timeout Value/Batch -- (Default = 240) -- Set this value to the number of seconds you want **PC**Charge to wait for TCP/IP settlement from the processing company before timing out. The backup dial-up modem you've selected will then be used to connect.

Paymentech Gift Transaction Types

- **Redemption** -- This transaction type reduces the cardholder's account balance by a specified amount. This transaction type is conceptually similar to a credit card Sale transaction.
  - **Partial?** -- Checking this box allows you to give your customer the option to use all or part of his gift card balance to make a partial payment. Example: The customer wants to purchase a $100 item but only has $25 in his gift card account. If you enter $100 into this window and check the **Partial?** box, **PC**Charge will prompt you to enter the partial payment amount ($25). The remaining amount would need to be made through other means.
  - **Force?** -- Checking this box allows you to enter the authorization code for a **Redemption** transaction if you've already received a voice authorization for that transaction. This is essentially the same concept as credit card voice auth transactions.
- **Issuance/Add Value** -- This transaction type performs two basic functions:
  1. If a card has not yet been activated, this transaction type is used to activate a gift with a balance of a specified amount. If no **Certificate Number** is specified, the gift card processing company will assign a unique number to that account.
  2. If a card has been activated, this transaction type is used to increase the cardholder's account balance by a specified amount. This transaction type is conceptually similar to a credit card Credit transaction.

  When the Issuance/Add Value tab is selected, a window appears onscreen asking for the number of cards being issued. **PC**Charge is able to issue multiple Paymentech gift cards simultaneously--enter the number of gift cards you wish to issue. All multi-processed gift cards must be issued with the same starting balance.
  - **Force?** -- Checking this option allows you to enter the authorization code for a Issuance/Add Value transaction if you've already received a voice authorization for that transaction. This is essentially the same concept as credit card voice auth transactions.

  Note: During a normal **Issuance** transaction, a response is returned by Paymentech. To check the results of a multi-processed Issuance, check the **Gift Card** report (consult the section **Reports** in your **PC**Charge User's Manual for more information).
- **Void** -- This transaction type cancels an existing gift card transaction. You specify which by entering the Auth Code of the original transaction. The Auth Code can be found in the **Gift Card** report (consult the section **Reports** in your **PC**Charge User's Manual for more information). This transaction type is conceptually similar to a

credit card Void transaction. **Note:** A Paymentech gift card Void transaction can be performed on an existing Issuance/Add Value or Redemption transaction, but cannot be performed on a Prior Issuance/Add Value or Prior Redemption transaction.

- **Balance** -- This transaction type looks up a gift card account and returns the balance.
- **Prior Issuance/Add Value** -- This transaction type allows you to enter the authorization code for an Issuance/Add Value transaction when you've received a voice authorization for that transaction. This transaction type is conceptually similar to a credit card Post-Auth transaction.
- **Prior Redemption** -- This transaction type allows you to enter the authorization code for a Redemption transaction when you've received a voice authorization for that transaction. This transaction type is conceptually similar to a credit card Post-Auth transaction.
- **Activate** -- This transaction type activates a gift card with a balance of a specified amount. If no **Certificate Number** is specified, the gift card processing company will assign a unique number to that account.
- **Deactivate** -- This transaction is the opposite of the Activate transaction. It invalidates an existing active card. Enter the existing account balance into the **Amount $:** field to close the account.

RBS WorldPay (LYNK) Gift

RBS WorldPay Gift Notes

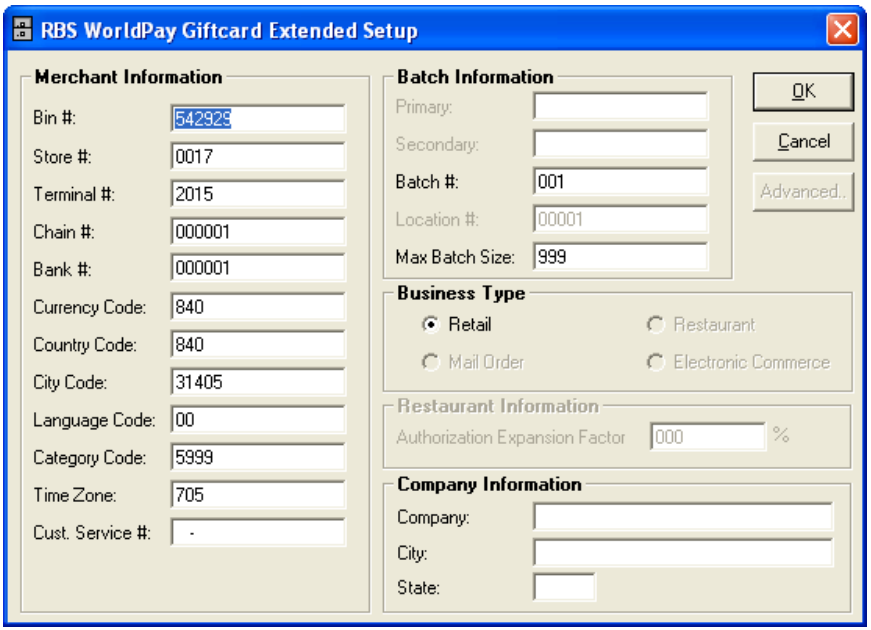
- **PC**Charge can connect to RBS WorldPay via a dial-up modem connection, an ISDN connection, or an Internet connection.
  - Consult the section **Dial-up Modem Processing** in **About Communication Types** for more information on dial-up modem processing (see page 13).
  - Consult the section **Internet Processing** in **About Communication Types** for more information on TCP/IP processing (see page 14).
  - Consult the section **ISDN Processing** in **About Communication Types** for more information on TCP/IP processing (see page 15).

- RBS WorldPay gift card accounts must be settled (like credit card accounts). Consult the section **Settle** in your **PC**Charge User's Manual for more information.

RBS WorldPay Gift Contact Information

- **WWW** -- http://www.rbsworldpay.com
- **Customer Service** -- (800) 859-5965

RBS WorldPay Gift Extended Data Fields



Merchant Information

You must complete all of the merchant information fields before you can process transactions. Your processing company or merchant service provider will provide you with most of this information.

Bin # -- (Default = Empty) (6-digits) -- Enter the 6-digit, non-zero, acquiring bank's identification number.

Store # -- (Default = Empty) (4-digits) -- Enter the 4 digit Store Number that identifies your merchant account.

Terminal # -- (Default = Empty) (4-digits) -- Enter your account's Terminal Number.

Chain # -- (Default = Empty) (6-digits) -- Enter your account's Chain Number.

Bank # -- (Default = Empty) (6-digits) -- Allows you to enter the Bank Number.

Currency Code -- (Default = 840) (3-digits) -- Enter the 3-digit code identifying the type of currency being used. 840 is the setting for U.S. dollars.

Country Code -- (Default = 840) (3-digits) -- Enter the 3 digit code identifying your country. The Country Code 840 represents the United States.

City Code -- (Default = Empty) -- Enter your zip code. Enter only the first five digits of the zip code.

Language Code -- (Default = 00) (2-digits) -- Enter the 3-digit code identifying your language. The default setting of " 00" is for U.S. English.

Category Code -- (Default = Empty) (4-digits) -- Enter the 4-digit category code identifying your merchant type.

Time Zone -- (Default = Empty) (3-digits) -- Enter the Time Zone Code corresponding to your time zone.

Customer Service # -- Enter your business's 10-digit phone number. This phone number will appear on your customer's statement and will provide your customers with a way of contacting you.

Batch Information

Primary -- (Default = Empty) -- Not implemented.

Secondary -- (Default = Empty) -- Not implemented.

Batch # -- The batch number is the counter for the current batch. **PC**Charge automatically increments this value after every batch is settled. Do not alter this value unless directed by a Technical Support Representative.

Location #: -- (Default = 00001) -- Not implemented.

Business Type

Retail -- (Default = Selected) -- Select this option if RBS WorldPay classifies your business as Retail (most of your business is done face to face with the customer).

Mail Order -- (Default = Unselected) -- Not implemented.

Restaurant -- (Default = Unselected) -- Not implemented.

Electronic Commerce -- (Default = Unselected) -- Not implemented.

Restaurant Information

Not implemented.

Company Information

Company -- (Default = Empty) -- Enter your company's name (as registered with RBS WorldPay for this account).

City -- (Default = Empty) -- Enter the name of the city in which your company is located (as registered with RBS WorldPay for this account).

State -- (Default = Empty) -- Enter the name of the state in which your company is located (as registered with RBS WorldPay for this account).

RBS WorldPay Gift Transaction Types

- **Gift Add Value** -- This transaction type is used to increase the cardholder's account balance by a specified amount. This transaction type is conceptually similar to a credit card Credit transaction.
- **Gift Balance** -- This transaction type looks up a gift card account and returns the balance.
- **Gift Redemption** -- This transaction type reduces the cardholder's account balance by a specified amount. This transaction type is conceptually similar to a credit card Sale transaction.
- **Gift Void Add Value** -- This transaction type cancels an existing gift add value transaction. This transaction type is conceptually similar to a credit card Void Credit transaction.

Secure Payment Systems (SPS) Gift

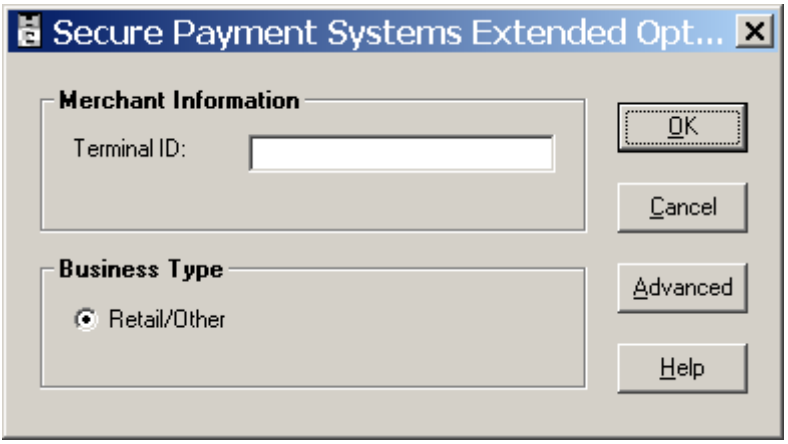
SPS Gift Notes

- **PC**Charge can connect to SPS via a dial-up modem connection or an Internet connection.
  - Consult the section **Dial-up Modem Processing** in **About Communication Types** for more information on dial-up modem processing (see page 13).
  - Consult the section **Internet Processing** in **About Communication Types** for more information on TCP/IP processing (see page 14).
- If your network is protected by a firewall, you'll need to completely open port 443 for outgoing and incoming data. This is the TCP/IP port used by the SPS gateway.

SPS Gift Contact Information

- **WWW** -- http://www.securepaymentsystems.com
- **Customer Service** -- (888) 243-5249

SPS Gift Extended Data Fields



Merchant Information

Terminal ID -- Enter your Terminal ID in this field.

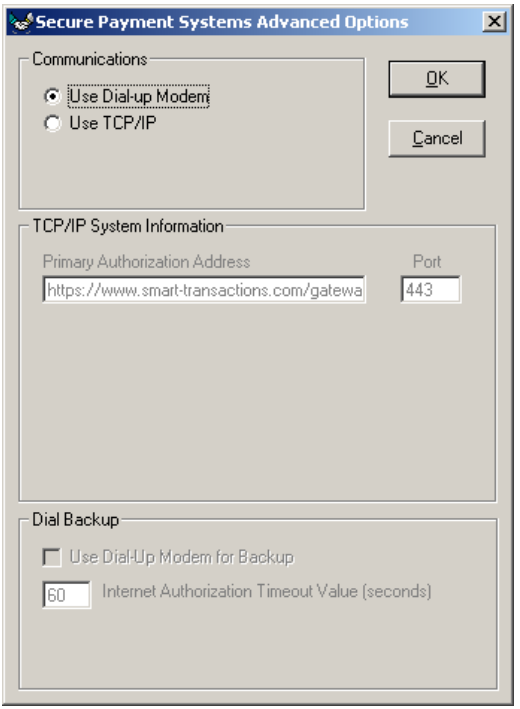
Business Type

Retail/Other -- (Default = Unselected) -- Select this option if SPS classifies your business as Retail (most of your business is done face to face with the customer) or Other.

Advanced

Click this button to access the **Secure Payment Systems Advanced Options** window.

Secure Payment Systems Advanced Options



Communications

Use Dial-up Modem -- (Default = Selected) -- Select this option if your account is set up to connect to SPS using your modem.

Use TCP/IP -- (Default = Unselected) -- Select this option if your account is set up to connect to the SPS gateway to process transactions via TCP/IP.

TCP/IP System Information

Note: This information is not accessible unless **Use TCP/IP** is enabled.

Primary Authorization Address -- (As Shown) -- This is the primary address of the SPS gateway. Do not alter this value unless directed by a Technical Support Representative.

Port: -- (Default = Empty) -- This is the port through which SPS transactions are sent. Do not alter this value unless directed by a Technical Support Representative.

Dial Backup

Note: This information is not accessible unless **Use TCP/IP** is enabled.

Use Dial-up Modem for Backup -- (Default = Unchecked) -- By checking this box, **PC**Charge will attempt to connect to the processing company if unable to establish a TCP/IP connection.

Internet Authorization Timeout Value -- (Default = 60) -- Set this value to the number of seconds you want **PC**Charge to wait for TCP/IP authorization from the processing company before timing out. The backup dial-up modem you've selected will then be used to connect.

SPS Gift Transaction Types

- **Activate** -- This transaction type activates a gift card with a balance of a specified amount. If the **Amount** is specified, that amount must match the value of the card as it was set up with SPS.
- **Add Value** -- This transaction type is used to increase the cardholder's account balance by a specified amount. This transaction type is conceptually similar to a credit card Credit transaction.
- **Balance** -- This transaction type looks up a gift card account and returns the balance.
- **Balance Transfer** -- This transaction type is used to move funds from one account to another. The **Balance Transfer** transaction can be used in situations where the magnetic strip has become unreadable. Basically, the new card replaces the old card.
- **Batch Functions** -- This tab allows you to access the **Day Totals** button. Clicking the **Day Totals** button gives the number amount of Sales, Activations, and Add Values for the current day.
- **Refund** -- This transaction type increases the cardholder's account balance by a specified amount. This transaction type is conceptually similar to a credit card Credit transaction.
- **Sale** -- This transaction type reduces the cardholder's account balance by a specified amount. This transaction type is conceptually similar to a credit card Sale transaction.
- **Void** -- This transaction type cancels an existing gift card transaction. This transaction type is conceptually similar to a credit card Void transaction.

Smart Transaction Systems (SMTS) Gift

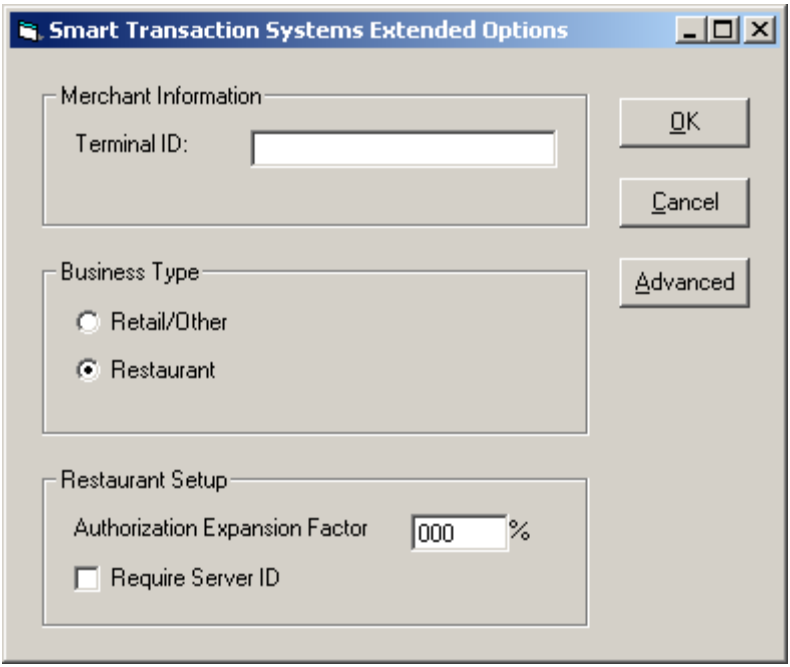
SMTS Gift Notes

- **PC**Charge can connect to SMTS via a dial-up modem connection or an Internet connection.
  - Consult the section **Dial-up Modem Processing** in **About Communication Types** for more information on dial-up modem processing (see page 13).
  - Consult the section **Internet Processing** in **About Communication Types** for more information on TCP/IP processing (see page 14).
- If your network is protected by a firewall, you'll need to completely open port 443 for outgoing and incoming data. This is the TCP/IP port used by the SMTS gateway.

SMTS Gift Contact Information

- **WWW** -- http://www.smart-transactions.com
- **Customer Service** -- (888) 494-9760

SMTS Gift Extended Data Fields



Merchant Information

Terminal ID -- Enter your Terminal ID in this field.

Business Type

Retail/Other -- (Default = Unselected) -- Select this option if SMTS classifies your business as Retail (most of your business is done face to face with the customer) or Other.

Restaurant -- (Default = Selected) -- Select this option if SMTS classifies your business as a restaurant.

Restaurant Setup

This section is not accessible unless **Restaurant** is selected as a **Business Type**.

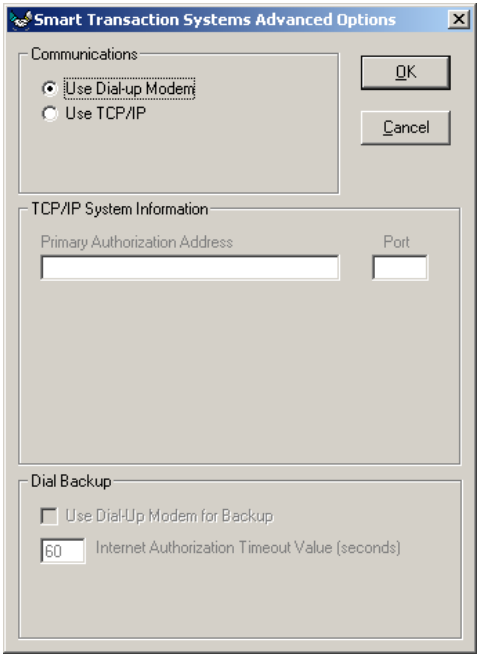
Authorization Expansion Factor -- (Default = 000) -- Allows you to enter the "authorization expansion factor" you have set up with the credit card processing company. Usually this is 120%. This would allow 20% of the transaction amount without the tip (the other 100%) to be authorized, even if the actual gratuity amount is not known.

Require Server ID -- (Default = Unchecked) (2-digits) -- By checking this box, your employee would have to enter an identification code when entering the tip for a transaction.

Advanced

Click this button to access the **Smart Transaction Systems Advanced Options** window.

Smart Transaction Systems Advanced Options



Communications

Use Dial-up Modem -- (Default = Selected) -- Select this option if your account is set up to connect to SMTS using your modem.

Use TCP/IP -- (Default = Unselected) -- Select this option if your account is set up to connect to the SMTS gateway to process transactions via TCP/IP.

TCP/IP System Information

Note: This information is not accessible unless **Use TCP/IP** is enabled.

Primary Authorization Address -- (As Shown) -- This is the primary address of the SMTS gateway. Do not alter this value unless directed by a Technical Support Representative.

Port: -- (Default = Empty) -- This is the port through which SMTS transactions are sent. Do not alter this value unless directed by a Technical Support Representative.

Dial Backup

Note: This information is not accessible unless **Use TCP/IP** is enabled.

Use Dial-up Modem for Backup -- (Default = Unchecked) -- By checking this box, **PC**Charge will attempt to connect to the processing company if unable to establish a TCP/IP connection.

Internet Authorization Timeout Value -- (Default = 60) -- Set this value to the number of seconds you want **PC**Charge to wait for TCP/IP authorization from the processing company before timing out. The backup dial-up modem you've selected will then be used to connect.

SMTS Gift Transaction Types

- **Activate** -- This transaction type activates a gift card with a balance of a specified amount. If the **Amount** is specified, that amount must match the value of the card as it was set up with SMTS.
- **Add Points** -- This transaction type increases the cardholder's points balance by a specified amount. This transaction type is conceptually similar to a credit card Credit transaction, except that it is points-based, not funds-based. This transaction type is not available unless you click **Yes** when **PC**Charge asks you if the card is a loyalty card (in the **Gift Card Transaction** window).
- **Add Value** -- This transaction type is used to increase the cardholder's account balance by a specified amount. This transaction type is conceptually similar to a credit card Credit transaction.
- **Balance** -- This transaction type looks up a gift card account and returns the balance.
- **Balance Transfer** -- This transaction type is used to move funds from one account to another. The Balance Transfer transaction can be used in situations where the magnetic strip has become unreadable. Basically, the new card replaces the old card.
- **Batch Functions** -- This tab allows you to access the **Day Totals** button. Clicking the **Day Totals** button gives the number amount of Sales, Activations, and Add Values for the current day.
- **Redeem Points** -- This transaction type reduces the cardholder's points balance by a specified amount. This transaction type is conceptually similar to a credit card Sale transaction, except that it is points-based, not funds-based. This transaction type is not available unless you click **Yes** when **PC**Charge asks you if the card is a loyalty card (in the **Gift Card Transaction** window).
- **Refund** -- This transaction type increases the cardholder's account balance by a specified amount. This transaction type is conceptually similar to a credit card Credit transaction.
- **Sale** -- This transaction type reduces the cardholder's account balance by a specified amount. This transaction type is conceptually similar to a credit card Sale transaction.
- **Tip** -- This action allows you to process a gratuity transaction for a previously existing Sale transaction. This transaction type is not accessible unless your SMTS gift card merchant account's business type is set as restaurant in the **SMTS Extended Data Fields**.
- **Void** -- This transaction type cancels an existing gift card transaction. This transaction type is conceptually similar to a credit card Void transaction.

Stored Value Systems, Inc. (SVSI) Gift

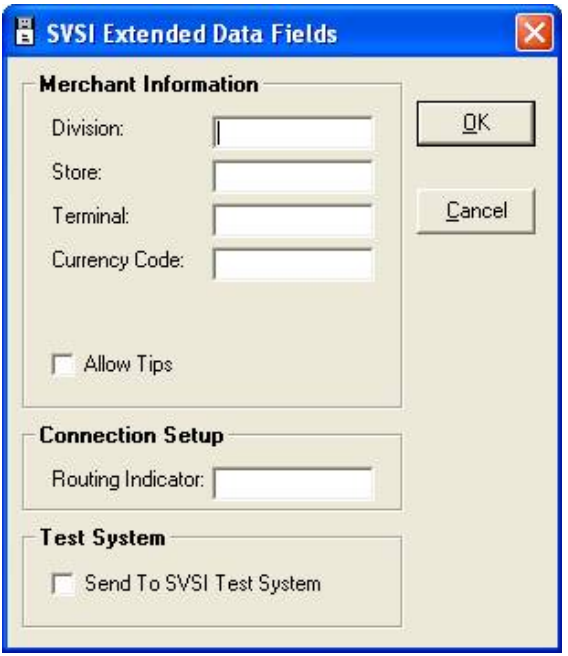
SVSI Gift Notes

- **PC**Charge can connect to SVSI via a dial-up modem connection or an Internet connection.
  - Consult the section **Dial-up Modem Processing** in **About Communication Types** for more information on dial-up modem processing (see page 13).
  - Consult the section **Internet Processing** in **About Communication Types** for more information on TCP/IP processing (see page 14).

SVSI Gift Contact Information

- **WWW** -- http://www.storedvalue.com
- **Customer Service** -- (502) 326-4600

SVSI Gift Extended Data Fields



Merchant Information

Division -- (Default = Empty) (5-digits) -- Enter your Division Number in this field.

Store -- (Default = Empty) (10-digits) -- Enter the 4-digit Store Number that identifies your merchant account.

Terminal -- (Default = Empty) (4-digits) -- Enter your account's Terminal Number.

Currency Code -- (Default = 840) (3-digits) -- Enter the 3-digit code identifying the type of currency being used. 840 is the setting for U.S. dollars.

Allow Tips -- (Default = Unchecked) -- Check this box if you want to be able to process gratuities. Consult the **Tip** information in the section **SVSI Gift Transaction Types** (see page 203) for instructions on processing SVSI **Tip** transactions.

Connection Setup

Routing Indicator: -- (6 alpha/numeric characters) -- Enter your routing indicator as provided by SVSI.

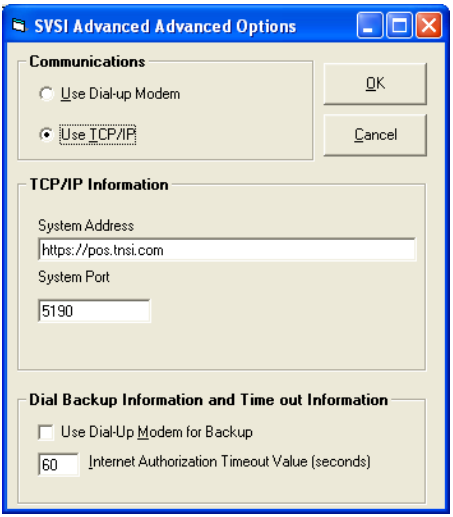
Test System

Accept Tips -- (Default = Unchecked) -- Check this box if you want to be able to process gratuities. Consult the **Tip** information in the following section (**SVSI Gift Transaction Types**) for instructions on processing SVSI Tip transactions.

Advanced

Click this button to access the **SVSI Advanced Options** window.

SVSI Advanced Options



Communication

Use Dial-Up Modem -- (Default = Selected) -- Select this option if your account is set up to connect to TSYS Acquiring Solutions using your modem.

Use TCP/IP -- (Default = Unselected) -- Select this option if your account is set up to connect to the SVSI gateway to process transactions via TCP/IP.

Network System Information

Note: This information is not accessible unless **Use TCP/IP** is enabled.

System Address -- (As Shown) -- This is the SVSI gateway. Do not alter this value unless directed by a Technical Support Representative.

System Port -- (As Shown) – This is the port through which SVSI transactions are sent.

Dial Backup Information and Time Out Information

Note: This information is not accessible unless **Use TCP/IP** is enabled.

Use Dial-Up Modem for Backup -- (Default = Unchecked) -- By checking this box, **PC**Charge will attempt to connect to the processing company if unable to establish a TCP/IP connection.

Internet Authorization Timeout Value -- (Default = 60) -- Set this value to the number of seconds you want **PC**Charge to wait for a TCP/IP authorization. The backup dial-up modem is then used.

SVSI Gift Timeout Reversals

In certain situations, "timeout reversals" can occur. The following scenario describes a time out reversal and what can cause one to occur.

> **Example:** Your customer has a gift card with $100 on it. You (the merchant) attempt to process a redemption transaction for $20. There is a communication problem during the transaction attempt, causing **PC**Charge to not receive a response back from SVSI within the amount of time specified in the **Timeout (secs)** field (within the **SVSI Gift Extended Data Fields** window).
>
> **PC**Charge will automatically attempt to reconnect to SVSI to send a timeout reversal. This reversal is an attempt to restore the gift card to the balance it had before the redemption transaction was processed ($100). If the timeout reversal attempt is successful, **PC**Charge will inform you that the redemption has been reversed, and will display the previous balance ($80) and the current balance ($100).

After a successful timeout reversal, you should reattempt the original transaction—since the communication problem prevented it from being successfully processed. In the example given above, the merchant should reattempt to process the $20 redemption transaction after processing the timeout reversal.

SVSI Gift Transaction Types

- **Activation** -- This transaction type activates a gift card with a balance of a specified amount. The **Amount** specified must match the value of the card as it was set up with SVSI. **Gift PIN** is a Personal Identification Number used for verification in non face-to-face transactions (SVS specific).
- **Redemption** -- This transaction type reduces the gift cardholder's account balance by a specified amount. This transaction type is conceptually similar to a credit card Sale transaction. **Gift PIN** is a Personal Identification Number used for verification in non face-to-face transactions (SVS specific).

  Also, **PC**Charge supports split tender for Redemption transactions. Split tender is used when the cardholder makes a purchase using the remainder of the card's balance in addition to some other tender type (cash, credit, check).

  Example: The cardholder has $10 remaining in her account. She purchases an item for $15 using her SVSI card. **PC**Charge will allow this transaction—deducting all $10 from the card's balance. **PC**Charge then prompts the user to collect the other $5 from the customer to complete the transaction.

- **Reload** -- This transaction type increases the cardholder's account balance by the specified amount. This transaction type is conceptually similar to a credit card Credit transaction. **Gift PIN** is a Personal Identification Number used for verification in non face-to-face transactions (SVS specific).
- **Issuance** -- This transaction type activates a gift card but does not specify a balance at that time. This is similar to an Activation transaction, but the account is not loaded with funds at the time of the transaction. **Gift PIN** is a Personal Identification Number used for verification in non face-to-face transactions (SVS specific).
- **Void** -- This transaction type cancels an existing gift card transaction. This transaction type is conceptually similar to a credit card Void transaction. SVSI allows Voids of all transaction types except other Voids, Pre Auths, and timeout reversals. Consult the previous section (**SVSI Gift Timeout Reversals**) for more information on timeout reversals.
- **Balance** -- This transaction type returns the balance of a gift card account. **Gift PIN** is a Personal Identification Number used for verification in non face-to-face transactions (SVS specific).
- **Refund** -- This transaction type increases the cardholder's account balance by a specified amount. This transaction type is conceptually similar to a credit card Credit transaction.
- **Pre-Auth** -- This transaction type places the amount you specify "on hold" for a potential transfer of funds. The funds won't be transferred unless a Post-Auth is performed using the Pre-Auth's validation code. Depending on your processing company, there may be a time limit on a Pre-Auth's usability. Typically, if a completion is not performed within that time limit, the amount is taken "off hold" and is once again available to the cardholder. The processor determines the time limit, which is usually 7-10 days. You should contact your merchant service provider/processing company for the exact time.
- **Post-Auth** -- This transaction type “completes” an approved Pre-Auth transaction and initiates the transfer of the specified amount from the customer's account to your account. Your Post-Auth may be for the exact Pre-Auth amount or an amount less than the Pre-Auth amount, but may not be greater than the original Pre-Auth amount.
- **Tip** -- This action allows you to process a gratuity transaction for a previously existing Redemption transaction. This transaction type is only available if **Allow Tips** is checked in the **SVSI Extended Data Fields** window.
- **Cash-Out** -- This transaction type is used to provide the cardholder with his balance in cash.

TSYS (VISA) Gift

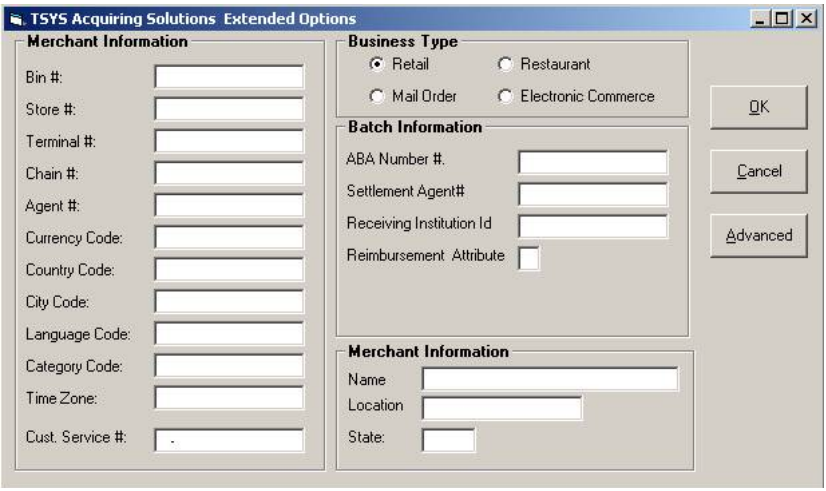
TSYS Gift Notes

- **PC**Charge can connect to TSYS via a dial-up modem connection or an Internet connection.
  - Consult the section **Dial-up Modem Processing** in **About Communication Types** for more information on dial-up modem processing (see page 13).
  - Consult the section **Internet Processing** in **About Communication Types** for more information on TCP/IP processing (see page 14).
- If your network is protected by a firewall, you'll need to completely open port 5003 for outgoing and incoming data. This is the TCP/IP port used by the TSYS Acquriing Solutions gateway.
- TSYS Gift card setup is independent of TSYS Credit card setup. You do not have to be set up to run credit cards to TSYS in order to run gift cards to TSYS.
- All transactions are online and considered host-based. There is no settlement of TSYS gift transactions.

TSYS Gift Contact Information

- **WWW** -- http://www.tsysacquiring.com
- **Customer Service** -- (800) 847-2772

TSYS Gift Extended Data Fields



Merchant Information

Bin # -- (Default = Empty) (6-digits) -- Enter the 6-digit, non-zero, acquiring bank's identification number.

Store # -- (Default = Empty) (4-digits) -- Enter the 4 digit Store Number that identifies your merchant account. Field must be right-justified and zero-filled.

Terminal # -- (Default = Empty) (4-digits) -- Enter your account's Terminal Number.

Chain # -- (Default = Empty) (6-digits) -- Enter your account's Chain Number used to identify your merchant chain within the TSYS Acquiring Solutions' system.

Agent # -- (Default = Empty) (6-digits) -- Enter your account's Agent Bank Number.

Currency Code -- (Default = 840) (3-digits) -- Enter the 3-digit code identifying the type of currency being used. 840 is the setting for U.S. dollars.

Country Code -- (Default = 840) (3-digits) -- Enter the 3 digit code identifying your country. The Country Code 840 represents the United States.

City Code -- (Default = Empty) -- Enter your zip code. Enter only the first five digits of the zip code.

Language Code -- (Default = 00) (2-digits) -- Enter the 3-digit code identifying your language. The default setting of " 00" is for U.S. English.

Category Code -- (Default = Empty) (4-digits) -- Enter the 4-digit category code identifying your merchant type. This is sometimes known as the **SIC** or the **MCC**.

Time Zone -- (Default = Empty) (3-digits) -- Enter the Time Zone Code corresponding to your time zone.

Time Zone	Eastern	Central	Mountain	Pacific	Arizona
Time Zone Code	705	706	707	708	107

Customer Service # -- Enter your business's 10-digit phone number. This phone number will appear on your customer's statement and will provide your customers with a way of contacting you.

Business Type

Retail: -- (Default = Selected) -- Select this option if your business is classified as Retail (most of your business is done face to face with the customer).

Mail Order -- (Default = Unselected) -- Select this option if TSYS classifies your business as MOTO (Mail Order/Telephone Order).

eCommerce -- (Default = Unselected) -- Select this option if TSYS classifies your business as e-Commerce.

Restaurant – Select this option if your business is classified as a Restaurant.

Batch Information

ABA #: -- Enter your ABA # in this field.

Settlement Agent #: -- Enter your Settlement Agent # in this field.

Receiving Institution Id: -- Enter your Receiving Institution Id (RIID) in this field.

Reimbursement Attr: -- Enter your Reimbursement Attr. in this field.

Merchant Information

Name – Enter your (up to) 25 character merchant name. The name provided must correspond to the name printed on the customer receipt.

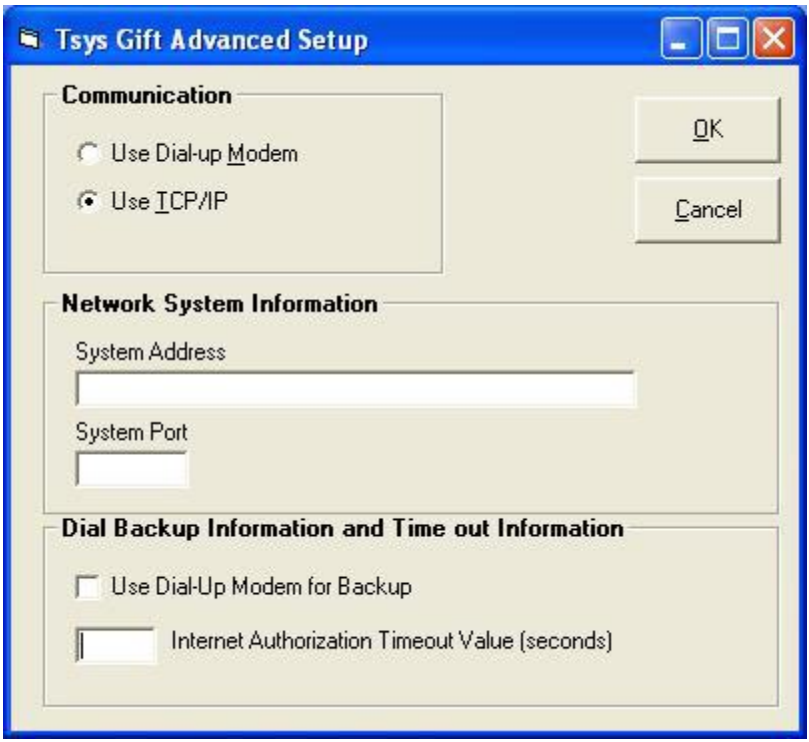
Location -- Enter your (up to) 13 character location/city name as printed on the customer receipt.

State: -- Enter your 2 character state/province code.

Advanced

Click this button to access the **TSYS Advanced Options** window.

TSYS Acquiring Solutions Advanced Options



Communication

Use Dial-Up Modem -- (Default = Selected) -- Select this option if your account is set up to connect to TSYS Acquiring Solutions using your modem.

Use TCP/IP -- (Default = Unselected) -- Select this option if your account is set up to connect to the TSYS Acquiring Solutions gateway to process transactions via TCP/IP.

Network System Information

Note: This information is not accessible unless **Use TCP/IP** is enabled.

System Address -- (As Shown) -- This is the TSYS Acquiring Solutions gateway. Do not alter this value unless directed by a Technical Support Representative.

System Port -- (As Shown) -- Not implemented.

Dial Backup

Note: This information is not accessible unless **Use TCP/IP** is enabled.

Use Dial-Up Modem for Backup -- (Default = Unchecked) -- By checking this box, **PC**Charge will attempt to connect to the processing company if unable to establish a TCP/IP connection.

Internet Authorization Timeout Value -- (Default = 60) -- Set this value to the number of seconds you want **PC**Charge to wait for a TCP/IP authorization. The backup dial-up modem is then used.

TSYS Gift Transaction Types

- **Add Value/Load** -- This transaction type is used to increase the cardholder's account balance by a specified amount. This transaction type is conceptually similar to a credit card Credit transaction.
- **Balance Inquiry** -- This transaction type looks up a gift card account and returns the balance.
- **Purchase** -- This transaction type reduces the cardholder's account balance by a specified amount. This transaction type is conceptually similar to a credit card Sale transaction.
- **Refund** -- This transaction type increases the cardholder's account balance by a specified amount. This transaction type is conceptually similar to a credit card Credit transaction..
- **Unload** – This transaction type is used to decrease the cardholder's account balance by a specified amount.
- **Deactivate** – This transaction type is used to close a gift card account.

ValueLink (VLNK) Gift

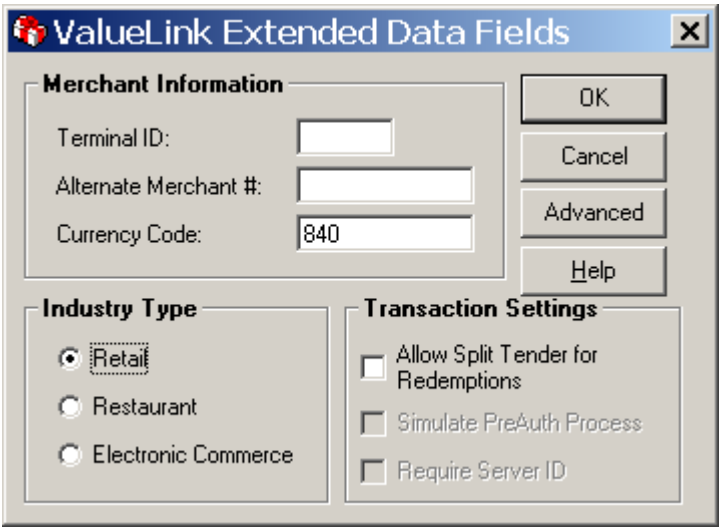
VLNK Gift Notes

- **PC**Charge can connect to VLNK via a dial-up modem connection.
  - Consult the section **Dial-up Modem Processing** in **About Communication Types** for more information on dial-up modem processing (see page 13).

VLNK Gift Contact Information

- **WWW** -- http://www.valuelink.info
- **Customer Service** -- (877) 848-8970

VLNK Gift Extended Data Fields



Merchant Information

Terminal ID -- (4-digits) -- Enter your Terminal ID in this field.

Alternate Merchant # -- (up to 11-digits) -- Enter your Alternate Merchant # in this field.

Currency Code: -- (Default = 840) (3-digits) -- Enter the currency code identifying the type of currency being used. 840 is the setting for U.S. dollars.

Industry Type

Retail -- (Default = Selected) -- Select this option if VLNK classifies your business as Retail (most of your business is done face to face with the customer).

Restaurant -- (Default = Unselected) -- Select this option if VLNK classifies your business as a Restaurant.

Electronic Commerce -- (Default = Unselected) -- Select this option if VLNK classifies your business as e-Commerce.

Allow Split Tender for Redemptions -- (Default = Unchecked) -- If this option is checked, **PC**Charge will allow the cardholder to make a purchase using the remainder of the card's balance in addition to some other tender type (cash, credit, check).

> **Example:** The cardholder has $10 remaining in her account. She purchases an item for $15 using her VLNK card.
>
> If **Allow Split Tender for Redemptions** is checked, **PC**Charge will allow this transaction—deducting all $10 from the card's balance. **PC**Charge then prompts the user to collect the other $5 from the customer to complete the transaction.
>
> If **Allow Split Tender for Redemptions** is unchecked, **PC**Charge will not allow this transaction and will instead display an NSF error, since the account does not contain sufficient funds to process the transaction.
>
> Consult the section **All about ValueLink (VLNK) Gift Card Transactions** in your **PC**Charge User's Manual for more information on **Redemption** transactions.

Simulate Pre-Auth Process -- (Default = Unchecked) -- This option exists to provide merchants with the ability to use their ValueLink accounts to process transactions in a manner similar to the credit card Pre-Auth/Post-Auth process. This section is not accessible unless **Restaurant** or **Electronic Commerce** is selected as an **Industry Type**.

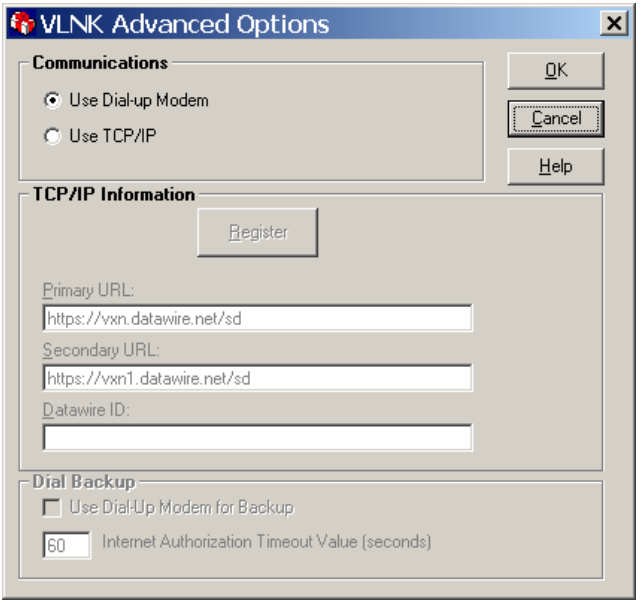
> If this option is unchecked, **PC**Charge will process all **Redemption** and **Balance** transactions normally.
>
> If this option is checked, **PC**Charge will allow you to perform **Redemption Unlock** transactions in addition to standard **Redemption** transactions. Also, **PC**Charge will allow you to perform **Balance w/Lock** transactions in addition to standard **Balance** transactions.
>
> Consult the section **All about ValueLink (VLNK) Gift Card Transactions** in your **PC**Charge User's Manual for more information on **Redemption**, **Redemption Unlock**, **Balance**, and **Balance w/Lock** transactions.

Require Server ID -- (Default = Unchecked) (2-digits) -- By checking this box, your employee would have to enter an identification code when entering the tip for a transaction.

Advanced

Click this button to access the **VLNK Advanced Options** window.

VLNK Advanced Options



Communications

Use Dial-up Modem -- (Default = Selected) -- Select this option if your account is set up to connect to VLNK using your modem.

Use TCP/IP -- (Default = Unselected) -- Select this option if your account is set up to connect to VLNK via a TCP/IP connection.

TCP/IP Information

Note: This information is not accessible unless **Use TCP/IP** is enabled.

Register -- Click this button to obtain your **Primary URL** and **Secondary URL** from VLNK.

Primary URL -- (Default = As Shown) -- After you click **Register**, this field will contain the primary URL of this processor's gateway. Do not change this setting unless directed by a Technical Support Representative.

Secondary URL -- (Default = As Shown) -- After you click **Register**, this field will contain the secondary URL of this processor's gateway. Do not change this setting unless directed by a Technical Support Representative.

Datawire ID -- (Default = Empty) -- After you click **Register**, this field will contain your Datawire ID. Do not change this setting unless directed by a Technical Support Representative.

Dial Backup

Note: This information is not accessible unless **Use TCP/IP** is enabled.

Use Dial-Up Modem for Backup -- (Default = Unchecked) -- By checking this box, **PC**Charge will attempt to connect to the processing company if unable to establish a TCP/IP connection.

Internet Authorization Timeout Value -- (Default = 60) -- Set this value to the number of seconds you want **PC**Charge to wait for a TCP/IP authorization. The backup dial-up modem is then used.

VLNK Gift Timeout Reversals

In certain situations, "timeout reversals" can occur. The following scenario describes a time out reversal and what can cause one to occur.

> **Example:** Your customer has a gift card with $100 on it. You (the merchant) attempt to process a redemption transaction for $20. There is a communication problem during the transaction attempt, causing **PC**Charge to not receive a response back from VLNK within a certain amount of time.
>
> **PC**Charge will automatically attempt to reconnect to VLNK to send a timeout reversal. This reversal is an attempt to restore the gift card to the balance it had before the redemption transaction was processed ($100). If the timeout reversal attempt is successful, **PC**Charge will inform you that the redemption has been reversed, and will display the previous balance ($80) and the current balance ($100).

After a successful timeout reversal, you should reattempt the original transaction—since the communication problem prevented it from being successfully processed. In the example given above, the merchant should reattempt to process the $20 redemption transaction after processing the timeout reversal.

VLNK Gift Transaction Types

- **Activate** -- This transaction type activates a gift card with a balance of a specified amount. If the **Amount** is specified, that amount must match the value of the card as it was set up with VLNK.
- **Balance** -- This transaction type returns the balance of a gift card account.
- **Balance Adjustment** -- This transaction type is used to adjust the balance of a cardholder's account. The transaction amount must be signed either negative (-) to indicate that the consumer's account should be decremented or positive (+) to indicate that the consumer's account should be incremented.
- **Balance Merge** -- This transaction is used to move funds from one account (or accounts) to another. It's used to consolidate accounts (cards) when a consumer has more than one gift card and wishes to combine the funds into a single account. Both destination and source accounts must be active. The entire balance of the source account is moved to the destination account. **Note:** This transaction type is not accessible unless your account is set up as **Restaurant** in the **VLNK Extended Data Fields**.
- **Balance Transfer** -- This transaction type is used to move funds from one account to another. This is similar to a Balance Merge transaction. The **Balance Transfer** transaction can be used in situations where the magnetic strip has become

unreadable. Basically, the new card replaces the old card. **Note:** This transaction type is not accessible unless your account is set up as **Restaurant** in the **VLNK Extended Data Fields**.

- **Balance w/Lock** -- This transaction type looks up a gift card account and returns the balance. When this transaction is completed, the gift card's balance is locked (similar to the way a credit card customer's balance is reduced by a Sale transaction). This transaction type is conceptually similar to a credit card Pre-Auth transaction; the funds aren't really transferred from the cardholder's account to the merchant's account--they're "set aside" for a potential transfer (through a Redemption Unlock). **Example:** The cardholder wishes to purchase a service for which the estimated value is $10. A **Balance w/Lock** transaction is performed to reduce the card's account balance by $10. The transaction is completed and funds are actually moved from the cardholder's account to the merchant's account when a Redemption Unlock transaction is performed. **Note:** This transaction type is not accessible unless **Simulate PreAuth Process** is checked in the **VLNK Extended Data Fields**.
- **Cash-Out** -- This transaction type is used to provide the cardholder with his balance in cash.
- **Redemption** -- This transaction type reduces the gift cardholder's account balance by a specified amount. This transaction type is conceptually similar to a credit card Sale transaction. **Note:** If the **VLNK Extended Data Fields** option **Allow Split Tender for Redemptions** is unchecked and a card's account contains insufficient funds during a Redemption transaction, VLNK will decline the transaction.
- **Redemption Unlock** -- This transaction type allows you to enter the authorization code for a Redemption transaction after you've received a voice authorization for that transaction. This transaction type is conceptually similar to a credit card Post-Auth transaction. Consult **Balance w/Lock** for more information. **Note:** This transaction type is not accessible unless **Simulate PreAuth Process** is checked in the **VLNK Extended Data Fields**.
- **Reload** -- This transaction type increases the cardholder's account balance by the specified amount. This transaction type is conceptually similar to a credit card Credit transaction.
- **Report Lost/Stolen** -- This transaction type is used to replace a lost or stolen card with a new card. Enter the original card account number. The original account is deactivated and the new account is activated.
- **Void** -- This transaction type cancels an existing gift card transaction. You specify which by entering the **Auth Code** of the original transaction. The **Auth Code** can be found in the **Gift Card** report (consult the section **Reports** in your **PC**Charge User's Manual for more information). This transaction type is conceptually similar to a credit card Void transaction.

Valutec (VTEC) Gift

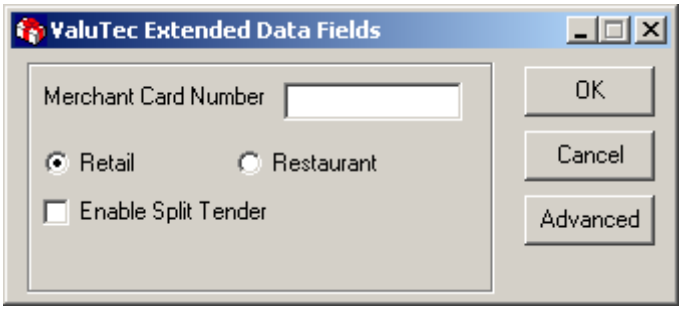
VTEC Gift Notes

- **PC**Charge can connect to VTEC via a dial-up modem connection or an Internet connection.
  - Consult the section **Dial-up Modem Processing** in **About Communication Types** for more information on dial-up modem processing (see page 13).
  - Consult the section **Internet Processing** in **About Communication Types** for more information on TCP/IP processing (see page 14).
- If your network is protected by a firewall, you'll need to completely open port 443 for outgoing and incoming data. This is the TCP/IP port used by the VTEC gateway.

VTEC Gift Contact Information

- **WWW** -- http://www.valutec.net
- **Customer Service** -- (615) 771-8700

VTEC Gift Extended Data Fields



Merchant Information

Merchant Card Number -- (10 alpha/numeric characters) -- Enter your merchant card number in this field.

Retail -- (Default = Selected) -- Select this option if Valutec classifies your business as Retail (most of your business is done face to face with the customer).

Restaurant -- (Default = Unselected) -- Select this option if Valutec classifies your business as a restaurant.

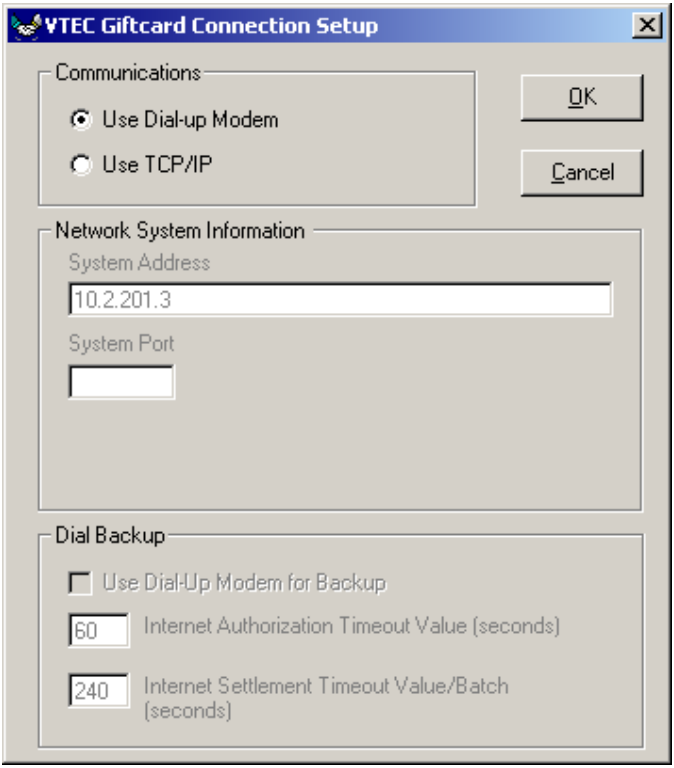
Enable Split Tender -- (Default = Unchecked) -- If this option is checked, **PC**Charge will attempt to allow the cardholder to make a purchase using the remainder of the card's balance in addition to some other tender type (cash, credit, check). **Note:** VTEC must set up this ability for your account--merely checking this box without making arrangements with VTEC first will not activate this feature. **Example:**

- The cardholder has $10 remaining in her account. She purchases an item for $15 using her VTEC card.
- If **Enable Split Tender** is checked (and VTEC has set up your account with this ability), **PC**Charge will allow this transaction—deducting all $10 from the card's balance. **PC**Charge's transaction response will display the amount due ($5).
- If **Enable Split Tender** is unchecked, **PC**Charge will not allow this transaction and will instead display an NSF error, since the account does not contain sufficient funds to process the transaction.
- Consult the section **All about Valutec (VTEC) Gift Card Transactions** in your **PC**Charge User's Manual for more information on **Sale** transactions.

Advanced

Click this button to access the **VTEC Giftcard Connection Setup** window.

VTEC Giftcard Connection Setup



Communications

Use Dial-up Modem -- (Default = Selected) -- Select this option if your account is set up to connect to VTEC using your modem.

Use TCP/IP -- (Default = Unselected) -- Select this option if your account is set up to connect to VTEC via a TCP/IP connection.

Network System Information

Note: This information is not accessible unless **Use TCP/IP** is enabled.

System Address -- (As Shown) -- This is the primary address of the VTEC gateway. Do not alter this value unless directed by a Technical Support Representative.

System Port: -- (Default = Empty) -- This is the port through which VTEC transactions are sent. Do not alter this value unless directed by a Technical Support Representative.

Dial Backup

Note: This information is not accessible unless **Use TCP/IP** is enabled.

Use Dial-Up Modem for Backup -- (Default = Unchecked) -- Not implemented.

Internet Authorization Timeout Value -- (Default = 60) -- Not implemented.

Internet Settlement Timeout Value/Batch -- (Default = 240) -- Not implemented.

VTEC Gift Transaction Types

- **Activate** -- This transaction type activates a gift card with a balance of a specified amount. If no **Certificate Number** is specified, the gift card processing company will assign a unique number to that account.
- **Add Value** -- This transaction type increases the cardholder's account balance by a specified amount. This transaction type is conceptually similar to a credit card Credit transaction.
- **Balance** -- This transaction type looks up a gift card account and returns the balance.
- **Batch Functions** -- This window allows you to access the following buttons:
  - **Day Totals** -- Gives the number amount of Sales, Activations, Deactivations, and Add Values for the current day.
  - **Previous Day Totals** -- Gives the number amount of Sales, Activations, Deactivations, and Add Values for the previous day.
- **Deactivate** -- This transaction is the opposite of the Activate transaction. It invalidates an existing active card. Enter the existing account balance into the **Amount $:** field to close the account.
- **Replace** -- This transaction is used to replace a lost card with a new card. Enter the original card account number. The original account is deactivated and the new account is activated.
- **Sale** -- This transaction type reduces the cardholder's account balance by a specified amount. This transaction type is conceptually similar to a credit card Sale transaction. **Note:** If the **VTEC Extended Data Fields** option **Enable Split Tender** is

unchecked and a card's account contains insufficient funds during a Sale transaction, VLNK will decline the transaction.

- **Void** -- This transaction type cancels an existing gift card transaction. You specify which by entering the Auth Code of the original transaction. The Auth Code can be found in the **Gift Card** report (consult the section **Reports** in your **PC**Charge User's Manual for more information). This transaction type is conceptually similar to a credit card Void transaction.

VeriFone Stored Value API (GAPI)

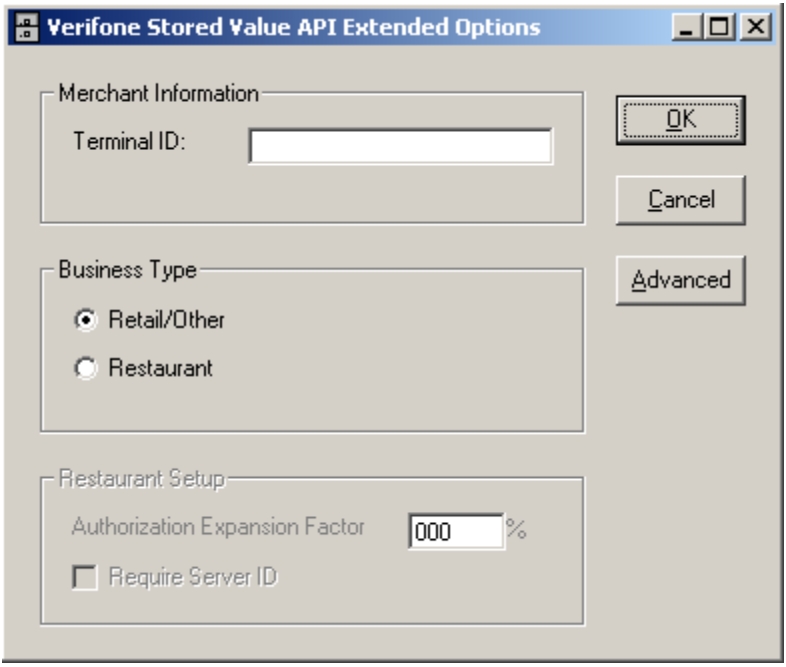
VeriFone Stored Value API Notes

- The VeriFone Stored Value API is a proprietary specification that allows for stored value card processors to add themselves to **PC**Charge.
- **PC**Charge can connect to GAPI via a dial-up modem connection or an Internet connection.
  - Consult the section **Dial-up Modem Processing** in **About Communication Types** for more information on dial-up modem processing (see page 13).
  - Consult the section **Internet Processing** in **About Communication Types** for more information on TCP/IP processing (see page 14).
- If your network is protected by a firewall, you'll need to completely open port 443 for outgoing and incoming data. This is the TCP/IP port used by the GAPI gateway.

VeriFone Stored Value API Contact Information

- **WWW** -- *varies according to processor*
- **Customer Service** -- *varies according to processor*

VeriFone Stored Value API Extended Options



Merchant Information

Terminal ID -- (Variable) -- Enter the Terminal ID assigned by your processor or MSP in this field.

Business Type

Retail/Other: -- (Default = Selected) -- Select this option if your business is classified as Retail (most of your business is done face to face with the customer) or Other.

Restaurant – Select this option if your business is classified as a Restaurant.

Restaurant Setup

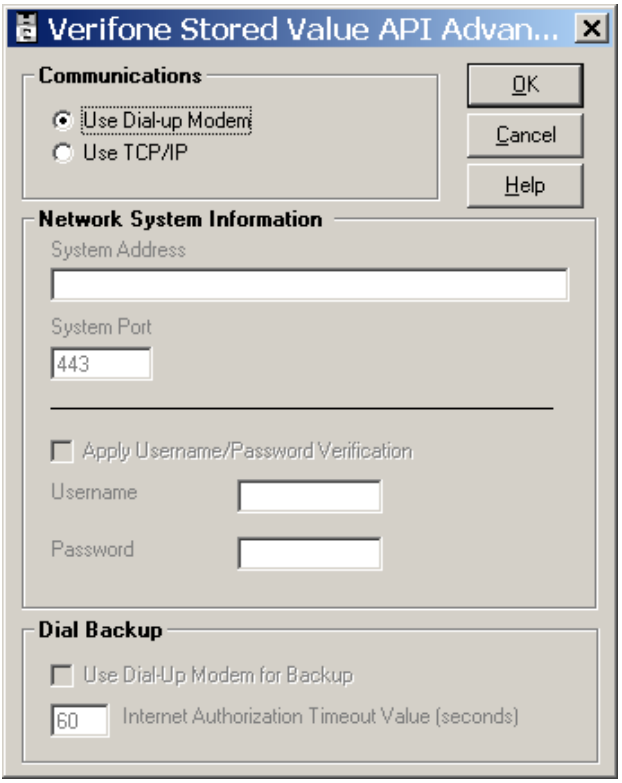
Authorization Expansion Factor -- (Default = 000) -- Allows you to enter the "authorization expansion factor" you have set up with the gift card processing company. Usually this is 120%. This would allow 20% of the transaction amount without the tip (the other 100%) to be authorized, even if the actual gratuity amount is not known.

Require Server ID -- (Default = Unchecked) -- By checking this box, your employee would have to enter an identification code when entering the tip for a transaction.

Advanced

Click this button to access the **VeriFone Stored Value API Advanced Options** window.

VeriFone Stored Value API Advanced Options Setup



Communications

Use Dial-up Modem -- (Default = Selected) -- Select this option if your account is set up to connect to GAPI using your modem.

Use TCP/IP -- (Default = Unselected) -- Select this option if your account is set up to connect to GAPI via TCP/IP.

Network System Information

System Address -- (Default = Empty) -- This information will be supplied to you by your gift card processor.

System Port -- (Default = 443) -- This information will be supplied to you by your gift card processor.

Dial Backup

Use Dial-up Modem for Backup: This information is not accessible unless **Use TCP/IP** is enabled.

Internet Authorization Timeout Value -- (Default = 60) -- Set this value to the number of seconds you want **PC**Charge to wait for TCP/IP authorization from the processing company before timing out.

GAPI Gift Transaction Types (Non-Loyalty Card)

- **Activate** -- This transaction type activates a gift card with a balance of a specified amount. If the **Amount** is specified, that amount must match the value of the card as it was set up with the processor.
- **Redemption** -- This transaction type reduces the cardholder's account balance by a specified amount. This transaction type is conceptually similar to a credit card Sale transaction.
- **Void**-- This transaction type cancels an existing gift card transaction. This transaction type is conceptually similar to a credit card Void transaction.
- **Refund**-- This transaction type increases a card's stored value. Use for merchandise returns to a pre-existing stored value card.
- **Balance** -- This transaction type looks up a gift card account and returns the balance.
- **Add Value**-- This transaction type increases a card's stored dollar value by the transaction amount provided in the request.
- **Balance Transfer** -- This transaction type is used to move funds from one account to another. The **Balance Transfer** transaction can be used in situations where the magnetic strip has become unreadable. Basically, the new card replaces the old card.
- **Balance Merge** This transaction type is used to move funds from one account to another already activated card.
- **Batch Functions** -- This tab allows you to access the **Day Totals** or **Previous Day Totals** button. Clicking the **Day Totals** button gives the number amount of Sales, Activations, and Add Values for the current day and clicking he **Previous Day Totals** button gives the number amount of Sales, Activations, and Add Values for the previous day.
- **Pre-Auth** – This transaction type authorizes an amount on the customer's card, but does not decrease the card's value.
- **Post-Auth**– This transaction type decreases a card's stored dollar value by completing a previous pre-authorization transaction.
- **Issuance –** This transaction type is used to request a new Gift Card number from the host. This is often used if the merchant does not have pre-printed Gift Cards.
- **Deactivate** – This transaction type deactivates a previously activated card.
- **Balance Adjustment**– This transaction type adjusts a card's balance by a negative or positive amount with no merchandise changing hands. This transaction is a combination of the Reload and Unload transactions that are used for some processors.
- **Report Lost/Stolen** – This transaction type will notify the host that a customer's card has been lost or stolen and that appropriate action must be taken.
- **Cash Out** – This transaction type will deactivate a card and the remaining balance should be given to the customer.
- **Reactivate** – This transaction type will reactivate a card that has previously been activated, and then deactivated.
- **Tip (Restaurant Only)** – This transaction type will decrease a card's stored value by the Tip Amount. It is applied to a specified prior redemption.

GAPI Gift Transaction Types (Loyalty Card)

- **Activate** -- This transaction type activates a gift card with a balance of a specified amount. If the **Amount** is specified, that amount must match the value of the card as it was set up with the processor.
- **Redeem Points**-- This transaction type decreases a card's stored points value by the points value provided in the request.
- **Void**-- This transaction type cancels an existing gift card transaction. This transaction type is conceptually similar to a credit card Void transaction.
- **Refund** -- This transaction type increases a card's stored value. Use for merchandise returns to a pre-existing stored value card.
- **Balance** -- This transaction type looks up a gift card account and returns the balance.
- **Add Points**-- This transaction type increases a card's stored points value by the points value provided in the request.
- **Balance Transfer** -- This transaction type is used to move points from one account to another. The **Balance Transfer** transaction can be used in situations where the magnetic strip has become unreadable. Basically, the new card replaces the old card.
- **Balance Merge** --This transaction type is used to move points from one account to another already activated card.
- **Batch Functions** -- This tab allows you to access the **Day Totals** button. Clicking the **Day Totals** button gives the number amount of Redemptions, Activations, and Add Points for the current day.
- **Pre-Auth** – This transaction type authorizes an amount on the customer's card, but does not decrease the card's value.
- **Post-Auth**– This transaction type decreases a card's stored value by completing a previous pre-authorization transaction.
- **Issuance –** This transaction type is used to request a new Gift Card number from the host. This is often used if the merchant does not have pre-printed Gift Cards.
- **Deactivate** – This transaction type deactivates a previously activated card.
- **Balance Adjustment**– This transaction type adjusts a card's balance by a negative or positive amount with no merchandise changing hands. This transaction is a combination of the Reload and Unload transactions that are used for some processors.
- **Report Lost/Stolen** – This transaction type will notify the host that a customer's card has been lost or stolen and that appropriate action must be taken.
- **Cash Out** – This transaction type will deactivate a card and the remaining balance should be given to the customer.
- **Reactivate** – This transaction type will reactivate a card that has previously been activated, and then deactivated.

World (WRLD) Gift

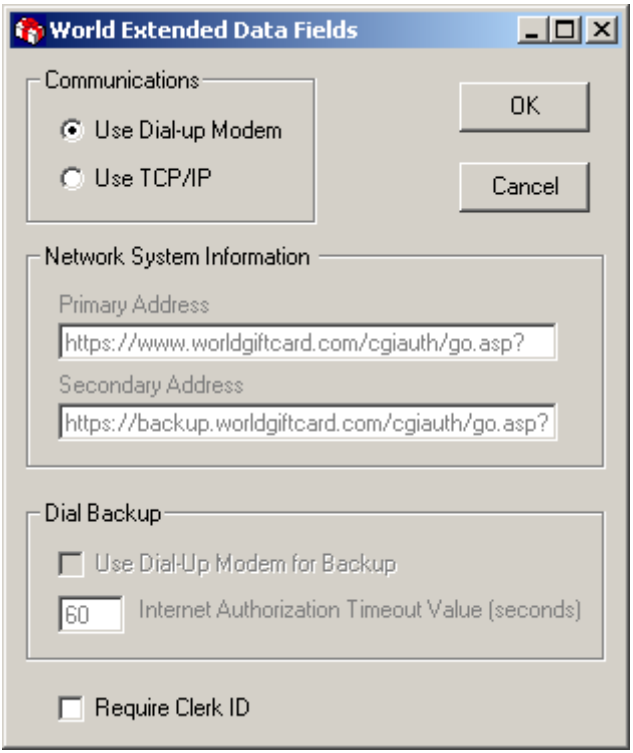
WRLD Gift Notes

- **PC**Charge can connect to WRLD via a dial-up modem connection or an Internet connection.
  - Consult the section **Dial-up Modem Processing** in **About Communication Types** for more information on dial-up modem processing (see page 13).
  - Consult the section **Internet Processing** in **About Communication Types** for more information on TCP/IP processing (see page 14).
- If your network is protected by a firewall, you'll need to completely open port 443 for outgoing and incoming data. This is the TCP/IP port used by the WRLD gateway.

WRLD Gift Contact Information

- **WWW** -- http://www.worldgiftcard.com
- **Customer Service** -- (888) 404-7446

WRLD Gift Extended Data Fields



Communications

Use Dial-Up Modem -- (Default = Selected) -- Select this option if your account is set up to connect to WRLD using your modem.

Use TCP/IP -- (Default = Unselected) -- Select this option if your account is set up to connect to WRLD via TCP/IP.

Network System Information

Note: This information is not accessible unless **Use TCP/IP** is enabled.

Primary Address -- (As Shown) -- This is the primary address of the WRLD gateway. Do not alter this value unless directed by a Technical Support Representative.

Secondary Address -- (As Shown) -- This is the secondary address of the WRLD gateway. Do not alter this value unless directed by a Technical Support Representative.

Dial Backup

Note: This information is not accessible unless **Use TCP/IP** is enabled.

Use Dial-Up Modem for Backup -- (Default = Unchecked) -- By checking this box, **PC**Charge will attempt to connect to the processing company if unable to establish a TCP/IP connection.

Internet Authorization Timeout Value -- (Default = 60) -- Set this value to the number of seconds you want **PC**Charge to wait for a TCP/IP authorization. The backup dial-up modem is then used.

Require Clerk ID -- (Default = Unselected) -- By selecting this option, your employee would have to enter an identification code when entering a transaction.

WRLD Gift Transaction Types

- **Activate** -- This transaction type activates a gift card with a balance of a specified amount. If no **Certificate Number** is specified, the gift card processing company will assign a unique number to that account.
- **Add Value/Points** -- This transaction type increases the cardholder's account balance by a specified amount. This transaction type is conceptually similar to a credit card Credit transaction.
- **Balance** -- This transaction type looks up a gift card account and returns the balance.
- **Redeem Points** -- This transaction type increases the cardholder's account balance by a specified amount. This transaction type is conceptually similar to a credit card Credit transaction.
- **Sale** -- This transaction type reduces the cardholder's account balance by a specified amount. This transaction type is conceptually similar to a credit card Sale transaction.

Appendix F – Private Label Processing Companies

Your processing company/vendor/merchant service provider should have provided you with most of the information on each company's **Extended Data Fields** window. Check the documentation you received upon setting up your private label processing company merchant account.

CitiCorp (CITI) Private Label

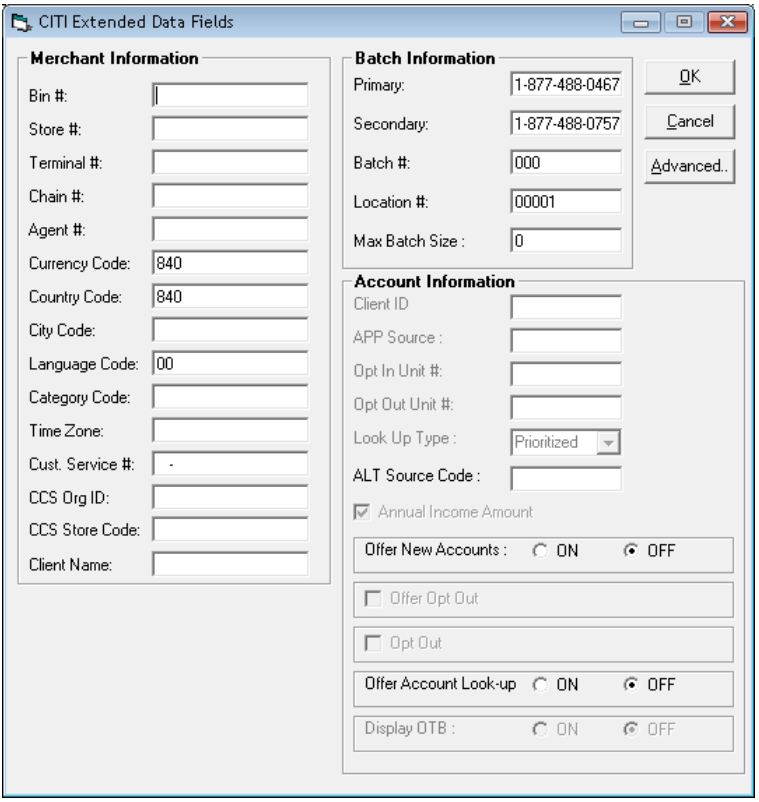
CITI Private Label Notes

- **PC**Charge can connect to CITI Private Label via a dial-up modem connection or an Internet connection.
  - Consult the section **Dial-up Modem Processing** in **About Communication Types** for more information on dial-up modem processing (see page 13).
  - Consult the section **Internet Processing** in **About Communication Types** for more information on TCP/IP processing (see page 14).
- If your network is protected by a firewall, you'll need to completely open port 5003 for outgoing and incoming data. This is the TCP/IP port used by the TSYS Acquiring Solutions gateway.

CITI Private Label Contact Information

- **WWW** -- http://www.tsysacquiring.com/
- **Customer Service** -- (800) 847-2772

CITI Private Label Extended Data Fields



Merchant Information

You must complete all of the merchant information fields before you can process transactions. Your processing company or merchant service provider will provide you with most of this information.

Bin # -- (Default = Empty) (6-digits) -- Enter the 6-digit, non-zero, acquiring bank's identification number.

Store # -- (Default = Empty) (4-digits) -- Enter the 4 digit Store Number that identifies your merchant account.

Terminal # -- (Default = Empty) (4-digits) -- Enter your account's Terminal Number.

Chain # -- (Default = Empty) (6-digits) -- Enter your account's Chain Number.

Agent # -- (Default = Empty) (6-digits) -- Enter your account's Agent Number.

Currency Code -- (Default = 840) (3-digits) -- Enter the 3-digit code identifying the type of currency being used. 840 is the setting for U.S. dollars.

Country Code -- (Default = 840) (3-digits) -- Enter the 3 digit code identifying your country. The Country Code 840 represents the United States.

City Code -- (Default = Empty) -- Enter your zip code. Enter only the first five digits of the zip code.

Language Code -- (Default = 00) (2-digits) -- Enter the 3-digit code identifying your language. The default setting of " 00" is for U.S. English.

Category Code -- (Default = Empty) (4-digits) -- Enter the 4-digit category code identifying your merchant type. This is sometimes known as the **SIC** or the **MCC**.

Time Zone -- (Default = Empty) (3-digits) -- Enter the Time Zone Code corresponding to your time zone.

Time Zone	Eastern	Central	Mountain	Pacific	Arizona
Time Zone Code	705	706	707	708	107

Customer Service # -- Enter your business's 10-digit phone number. This phone number will appear on your customer's statement and will provide your customers with a way of contacting you.

CCS Org ID -- (Default = Empty) (3-digits) -- Enter your 3-digit organization ID.

CCS Store Code -- (Default = Empty) (9-digits) -- Enter your 9-digit store code.

Client Name -- (Default = Empty) (1-32 characters) -- Enter your client name.

Batch Information

Primary -- (Default = Empty) -- Allows you to enter a primary settlement phone number. This phone number is used when closing your batch.

Secondary -- (Default = Empty) -- Allows you to enter a secondary settlement phone number. This phone number is used when closing your batch.
Terminal ID -- (Default = Empty) -- Allows you to enter the terminal identification number of your merchant account.

Batch # -- (Default = 000) -- The batch number is the counter for the current batch. **PC**Charge automatically increments this value after every batch is settled. Do not alter this value unless directed by a Technical Support Representative.

Location #: -- Enter a Location Number. This value designates which site or location is processing the transactions.

Max Batch Size: -- (Default = Empty) -- This allows you to specify the maximum number of transactions per batch that **PC**Charge will send to the processor. If your batch is greater than the number specified here, **PC**Charge will split it into multiple batches, each containing (at most) the number of transactions specified here. The batches are then sent to the processor one at a time.

Account Information

Client ID -- (Default = Empty) (4-character) -- Enter the 4-character program specific client ID. Enabled if Offer New Accounts is ON.

APP Source -- (Default = Empty) (3-character) -- Enter ORR or OOR. Enabled if Offer New Accounts is ON.

Opt In Unit # -- (Default = Empty) (5-digits) -- Enter the 5-digit program specific opt in unit number. Enabled if Offer New Accounts is ON.

Opt Out Unit # -- (Default = Empty) (5-digits) -- Enter the 5-digit program specific opt out unit number

Look Up Type -- (Default = Empty) -- Select the Look Up Type from the drop-down list (PRIORITIZED or NON_PRIORITIZED). Enabled if Offer New Accounts is ON.

ALT Source Code – (Default = Empty) (2-character) -- Enter this CITI-assigned optional field if applicable.

Annual Income Amount -- (Default = Checked) – Determines whether the Annual Income Amount field is enabled on the **Credit Application** screen. Enabled if Offer New Accounts is ON.

Offer New Accounts -- (Default = OFF) – Determines whether the **Credit Application** screen will be available.

Offer Opt Out -- (Default = Unchecked) – Determines whether the Opt Out option will be displayed on the **Credit Application** screen.

Opt Out -- (Default = Unchecked) – Check this box to opt out of special offers sent from the processor.

Offer Account Look-Up -- (Default = OFF) -- Determines whether the **Account Look-Up** screen will be available.

Display OTB -- (Default = OFF) – Determines whether Open To Buy amount is to be displayed on the **Account Look-Up** screen.

CITI Private Label Transaction Types

- **Credit Application** -- This transaction type issues a credit application.
- **Account Look-Up** -- This transaction type looks up an account and returns the balance.